



CLEANERS & DEGREASERS



LUBRICANTS, GREASES & OILS



METAL WORKING



ANTI-CORROSION



ADHESIVES / SEALANTS



POLYMER PROCESSING

Ambersil

By CRC Industries 

PRODUCT RANGE

Since 1948

ISSUE 13



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POLYMER PROCESSING

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KEY CODE:






FILL SIZES:

										
Available in 15ml	Available in 75ml	Available in 310ml	Available in 350ml	Available in 200ml	Available in 250ml	Available in 300ml	Available in 340ml	Available in 400ml	Available in 500ml	Trigger Spray
										
Available in 1L	Available in 3.8L	Available in 5L	Available in 20L	Available in 25L	Available in 200L	Available in 50 Wipes	Available in 100 Wipes	Available in 150 Wipes	Available in 400 Wipes	Available in 3mm Pen
										
Available in 100g	Available in 380g	Available in 400g	Available in 500g	Available in 1kg	Available in 5kg	Available in 12.5kg	Available in 18kg			

LABEL LANGUAGES:

		
English Only Label	6 Multi-Language Label	25 Multi-Language Label

CERTIFICATIONS:

				
360° Spray System	Bio-Degradable	High Temp Resistance	Non-flammable	Halal Certified

	
NSF Registered	Food Processing Safe

APPROVALS:

			
Automotive Approval	Rail Approval	Aerospace Approval	MOD Approval

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LUBRICANTS

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POLYMER PROCESSING

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LUBRICANTS

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CLEANERS

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CLEANERS

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POLYMER PROCESSING

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RAIL



CLEANERS

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LUBRICANTS

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WAREHOUSING & LOGISTICS



CLEANERS

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LUBRICANTS

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POWER GENERATION



CLEANERS

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LUBRICANTS

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ANTI-CORROSION

Acrylic Paint - Rittal Grey RAL 7035	45
Corrosion Inhibitor	47

MISREPRESENTATION ACT 1967 & TRADE DESCRIPTIONS ACT 1968

The information given in this publication is based on our experience and reports from customers. There are many factors outside our control and knowledge which affect the use and performance of our products and for which reason no warranty is given, express or implied. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purposes. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is to be assumed.

Where specific company names are used, these do not reflect either explicit or implied recommendation nor guarantee of performance. Users should undertake their own testing and review procedures to ensure products meet the performance, materials compatibility, safety, and environmental requirements for the intended application(s). Where specific standards or specifications are quoted, it is recommended that users independently validate them using their own quality procedures.

All images used are for representation only. Colour swatches are not an identical match to actual colour.

ADDING VALUE TO MAINTENANCE



CHEMICAL AUDIT & CONSOLIDATION

Simplify chemical storage, ordering, and use by reducing the number of brands to the one that offers “Your Complete Chemical Solution™”



24/7 GLOBAL PRODUCT AVAILABILITY THROUGH STRATEGIC SUPPLY PARTNERS

MRO products available to order when you want them, worldwide, via global distribution agreements.



ON-DEMAND DATA SHEETS (32 LANGUAGES)

The Ambersil.com website has 24/7 datasheet availability with no log in required. Every product has at least 32 language combinations for the SDS (Safety Data Sheet) ensuring safety around the world.



REGIONALLY BASED REPRESENTATIVES

Ambersil covers the entire UK, with a team of factory trained Territory Sales Managers who are the first line of support for product information. International customers have dedicated brand specialists and account managers for full-services support.



MAINTENANCE CHEMICAL PROBLEM SOLVING

In-house laboratory and development chemists are able to assist with any product and application enquiries from the simple through to chemically complex.



INNOVATIVE SOLUTIONS FOR AUDIT COMPLIANCE

Specialist markets often require specialist solutions to compliment the product offering in-house marketing and research teams seek to develop new, true ‘added-value’ services that benefit users and contribute to audit compliance.



R&D INNOVATION

Dedicated in-house laboratory facilities with decades of experience in product development – part of the global CRC development network that shares ideas and research for rapid product solutions.



MULTI-LANGUAGE CANS

Product information is displayed on all products in 6 languages. Selected products feature our “peel and read” label that has 25 languages, allowing pan-European and trans-global distribution and use.



UKCA & GHS/CLP COMPLIANT

Regulatory compliance and forward planning ensure product availability and product safety in-line with prevailing UK and EU Directives. Ambersil has been recognised as ISO 9001 and ISO 14001 compliant for over 30 years.

**UK
CA**



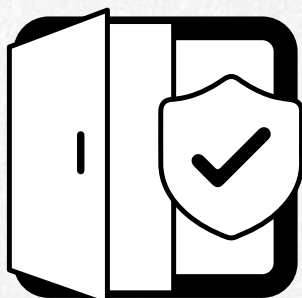
FREE PRODUCT SAMPLES

Ambersil is known for quality, reliability and trust; so why not give our products a trial with no obligation other than honest feedback? Don't just rely on our expert product recommendations, try them out for yourself.

RISK REDUCTION MOBILE: REMOTE CHEMICAL ASSESSMENT



SAFETY



- Driving compliance
- Auto update SDS
- Audit trail
- Reduced site visitors

SUPPLY



- Inventory control
- Remove rogue ordering
- Consolidate orders

QUALITY



- No more duplication
- Best product for job
- 100% support from manufacturer
- Expert advice



3 EASY STEPS:

1 CONTACT:

Identify your customers' use of maintenance chemicals, purchases and inventory control.

2 SUBMISSION:

Simply take a clear photograph of the products in the chemical cabinet or a chemical stores list, and use our Information Form to submit the enquiry.



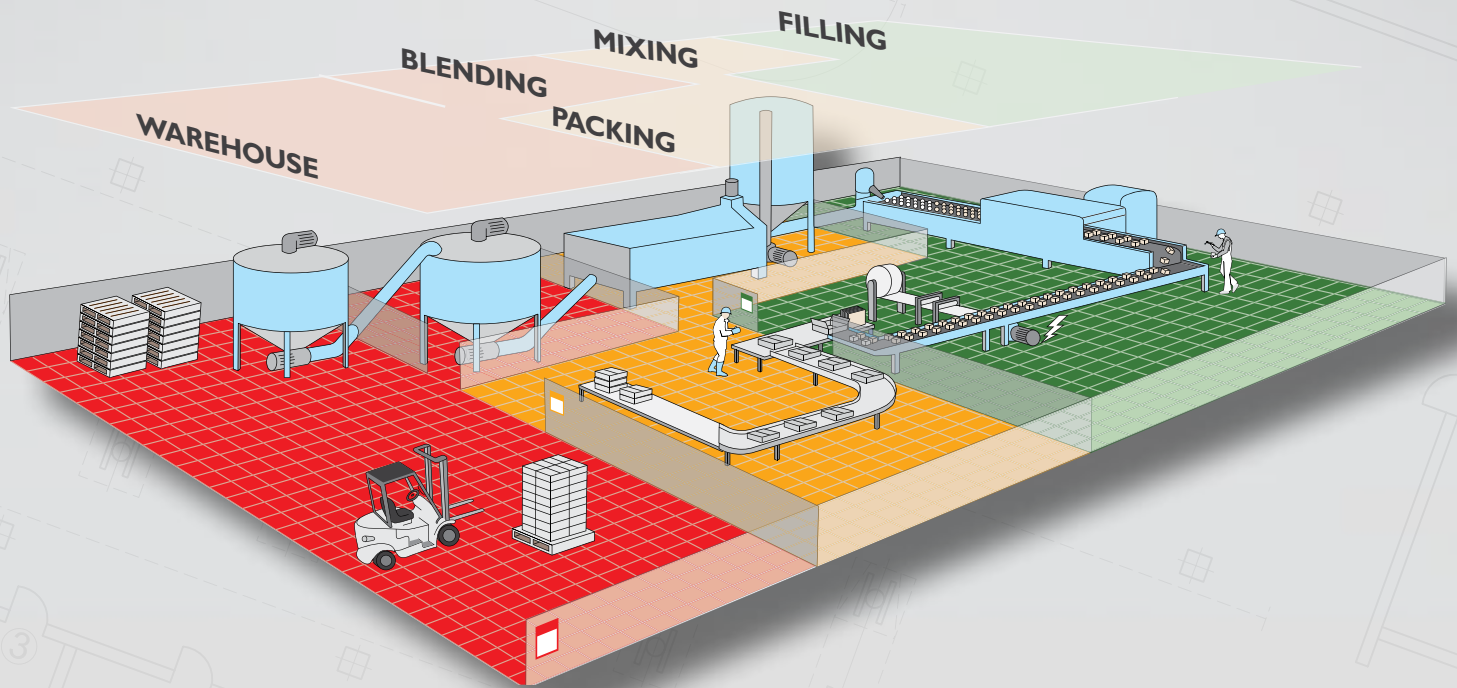
3 48 HOUR GUARANTEE:

We will analyse your submission and reply with Safety, Supply and Quality recommendations.



crcind.info/R2P2

CHEMICAL CONTROL: THROUGH COLOUR CODING



- ✓ **AUDIT COMPLIANT**
- ✓ **EASY TO UNDERSTAND**
- ✓ **INTEGRATES WITH EXISTING HACCP**
- ✓ **HELPS PREVENT CONTAMINATION RISK**
- ✓ **BASED ON PROVEN NSF CATEGORIES**
- ✓ **UNIQUE, TRUE ADDED-VALUE SYSTEM**

GreenLight® is based on the well-known and respected NSF (nsf.org) category codes in conjunction with user-defined risk audits. This highly visual facility zoning system is simple to implement and easy to understand.

GreenLight® seamlessly integrates with existing HACCP infrastructure, providing a simple colour coded visual guide to identify which products can be used, and where. Simple to implement and easy to understand.

GreenLight® assists with elements of the common supermarket and BRC audits that already call for maintenance chemical control; GreenLight® takes these criteria and offers a verifiable solution for the audit check-list.



PREVENTION. NOT DETECTION.™

AVAILABLE FROM AMBERSIL

LOCKED IN FOR SAFETY INTEGRATED DESIGN BENEFITS:

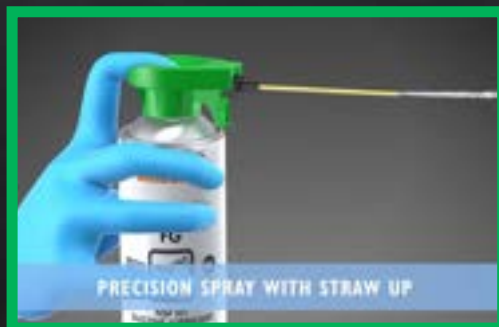
- Secure spray straw locks in place
- Non-slip grip
- Traditional spray in the “down” position
- Precision application in the “up” position
- Useful catch curb - prevents oily can

Perma-Lock® is a unique, non-detachable spray system with dual position spray.

There are no detachable pieces that can fall off, leading to contamination of goods and exposing food manufacturers and processors to costly recalls.

Perma-Lock® reduces the need for expensive x-ray or metal detection equipment: **preventing loss** is better than **detecting loss**.

YOU JUST CAN'T LOSE!™



crcind.info/AMB_PermaLock



WEB STORE NOW LIVE!

24/7 ORDERING WHEN YOU NEED IT



ONLINE, ON-DEMAND, ON YOUR TERMS

Discover the benefit of doing business with CRC online with the new CRC Web Store, sign up today!



24-7 ORDERING



LIVE STOCK CHECK



**INSTANT PRODUCT
INFORMATION**



SECURE LOGIN



**FAST-TRACK ORDER
TEMPLATES**



ORDER HISTORY

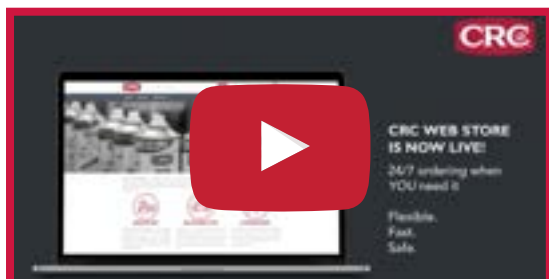


**MULTI-BRANCH
SUPPORT**



PERSONAL SERVICE

INTRODUCTORY VIDEO:



crcind.info/AMBWWebStoreVideo

SIGN UP:



crcind.info/AMBWWebStore

webstore.crcind.com

MY AMBERSIL

AUTOMATIC DATASHEET UPDATING

REMOVING THE HEADACHE FROM SDS SHEET UPDATING

A service offered to Ambersil end-users and distributors as a means to automate the task of updating Technical Data Sheets (TDS) and Material Safety Data Sheets (MSDS), reducing the burden on staff having to remember, schedule, and undertake this HSE requirement.

By using My Ambersil, the end-user can ensure 100% compliance, automatically when there is a change to the datasheets, whether due to legislative changes such as hazard classifications or amendments to law. These changes do not affect the product performance or availability, but in a highly regulated industry - up to date compliance is essential to avoid prosecution. The ongoing REACH legislation will affect all processors, distributors, and users of chemicals, however many people are unaware of what this means. Using My Ambersil ensures that such changes will be incorporated into the MSDS and TDS, with updates sent automatically.

Offered through the Ambersil website a simple registration process provides access to the complete Ambersil product range where selection of relevant products takes place - receive only relevant products updates.

The system remembers the selection, and will automatically generate an email notification when a significant change occurs to either the TDS or MSDS, keeping relevant management and user personnel up-to-date.

A UNIQUE SERVICE, MAKING COMPLIANCE EASY!

- 24/7 availability on-line
- Removes the potential to 'forget' to check for updates
- Saves time & easy to use
- Legislation changes frequently, do you always know when it has?
- Receive updates automatically
- All information held securely

My Ambersil

A STEP BY STEP GUIDE

1. Navigate to **www.ambersil.com**
2. Click on the My Ambersil logo
3. Select the link "New User"
4. Fill in company details.
5. The unique log-in ID and password will be emailed to you.
6. Enter the log-in ID and password on My Ambersil.
7. Once logged in, select the country from the drop-down list at the top of the page. The complete list of Ambersil products will now be displayed - using the selection boxes on the right, both MSDS and TDS updates can be selected.
8. Please confirm your selection, My Ambersil instantly updates which boxes have been selected.
9. Once all products of interest have been selected, simply close your internet browser - the process is now finished.
10. If product selection needs to be modified, simply log-in to My Ambersil and change the update options (click on the My Ambersil logo to update email preferences).

If product selection needs to be modified, simply log-in to My Ambersil and change the update options (click on the My Ambersil logo to update email preferences).



QUALITY & ENVIRONMENTAL



ACCREDITED ISO 9001



We understand your reliance on quality and conformance, and value your trust in us to deliver. All Ambersil products undergo stringent quality control tests at every stage of product production.

Checks routinely performed during manufacture include:

1. RAW MATERIAL TESTING

To confirm that all product ingredients are as specified

2. BULK BLEND TESTING

All product batches are tested for conformance to predefined specifications before being filled into aerosol packs.

3. FILLED AEROSOL TESTING

All filled packs are subjected to many performance and safety checks including:

- Crimp checks
- Labelling checks
- Weight checks
- Pressure checks

4. WATER BATH TESTING

Every single aerosol we produce passes through a hot-water bath to assess pack integrity at elevated temperatures.

5. STORAGE TRIALS

Prior to production, Ambersil products are tested for long-term storage and reliability trials - that's why most Ambersil products have a shelf life of 6-years!

6. PRODUCT SPECIFIC TESTS

Different product applications will require specific test criteria, such as accelerated corrosion testing, evaluation of release properties and material compatibility testing.

ACCREDITED ISO 14001



At Ambersil we recognise the need to minimise our impact on the environment so that future generations can benefit from our natural heritage.

Aerosols are recognised as one of the safest methods of storing and using maintenance chemicals due to the fact that they are hermetically sealed, eliminating spill risks and reducing environmental contamination potential.

All Ambersil aerosols have been CFC free since 1989 and we are continually innovating new procedures to minimise secondary impacts on the environment from office processes and other 'behind the scenes' activities.

- All Ambersil aerosols are manufactured with end-of-life disposal in mind
- All Ambersil steel tin-plate cans can be recycled
- All Ambersil boxes used for packaging and shipping are made from 100% recycled cardboard
- All aluminium aerosols can be recycled
- Plastic components may be separated & recycled

Ambersil is committed to managing its environmental performance, preventing pollution, ensuring compliance with all applicable environmental legislation. We strive to deliver continual improvement through the development, implementation and maintenance of an Environmental Management System that has been awarded the latest ISO 14001 certification.

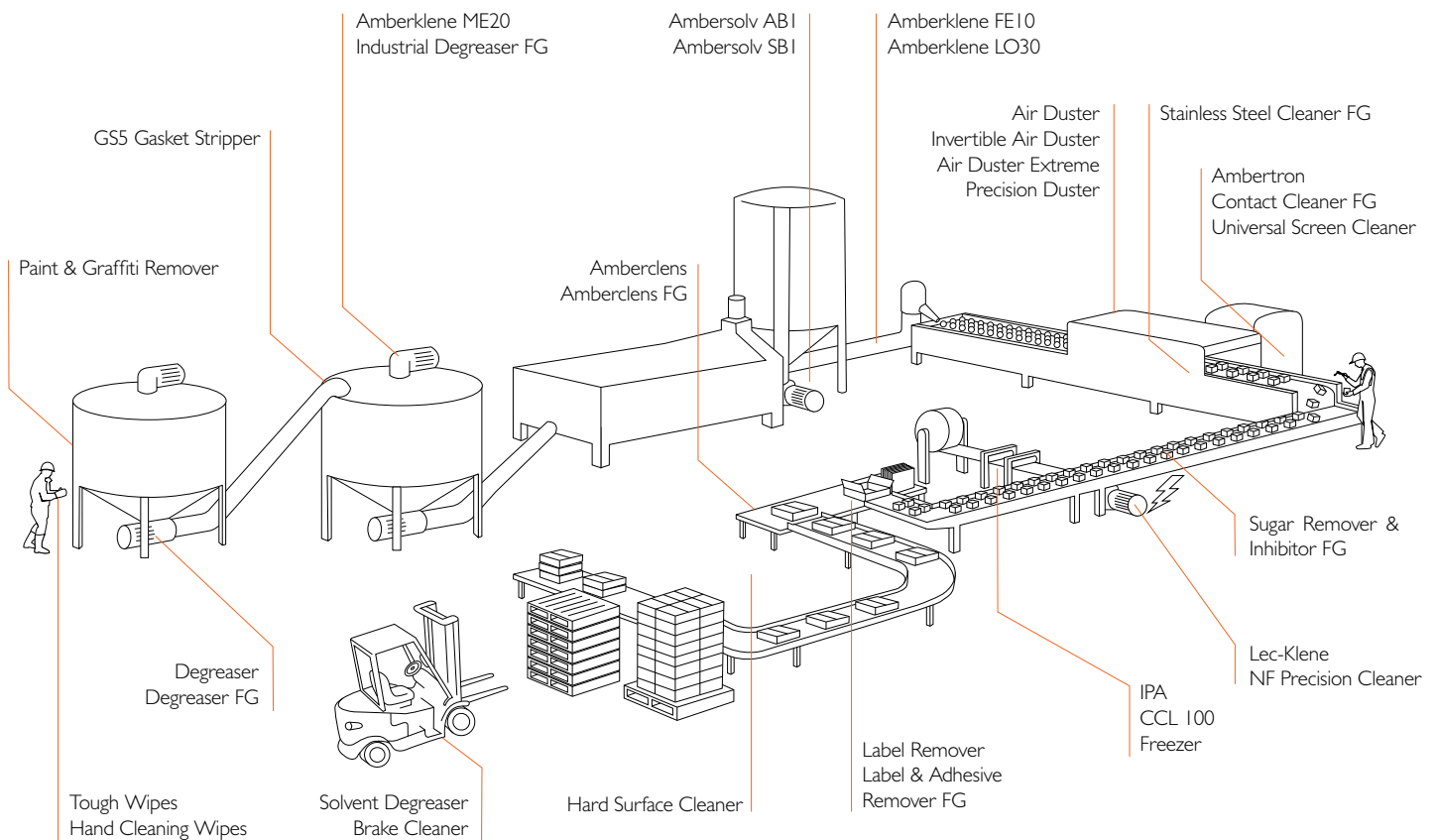
All Ambersil products (including packaging) comply with directive 2002/95/EC on the Restriction of Hazardous Substances in electrical and electronic equipment (RoHS).

RELEVANT INFORMATION FOR PRODUCT SELECTION

AMBERSIL PRODUCT RANGE ||

CLEANERS

Remove dirt, grease & grime with the most comprehensive range of industrial maintenance cleaners and degreasers.



CLEANERS SELECTION CHART

CLEANERS

LUBRICANTS

METAL WORKING

ANTI-CORROSION

ADHESIVES / SEALANTS

POLYMER PROCESSING

GENERAL CLEANING

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AMBERCLENS

ANTI-STATIC FOAMING CLEANER

Use to remove general grime and soiling on all surfaces. Particularly effective as a post-maintenance cleaner for removing finger marks and oil residues. Anti-static formulation inhibits dust attraction.

- Removes light oils, finger marks, and general grime
- Safe for use on plastics, metals, painted and glazed surfaces
- Multiple approvals: Rail, NATO, Ford, British Coal, Rolls Royce Aerospace

MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



1031038
31592-AA

1031041
31593-AA



AMBERCLENS FG

FOOD GRADE FOAM CLEANER

Developed for general cleaning in the food industry. Use to remove general grime and soiling from machinery.

- NSF A1 registered (No.137995)
- Stable, non-dripping foam helps break down soiling for effective cleaning
- Cleans equipment, metal parts, and machinery
- Biodegradable

MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE

A1



NSF



1030490
30241-AA



AMBERSOLV ABI/FOAMING CLEANER

WATER-BASED CITRUS CLEANER

Water-based cleaner with added citrus power. Use to clean around gearboxes, pumps and for removing hydraulic oil leak residue.

- Removes difficult soiling such as: oil, grease residue, grime, silicone, water-based paints and inks/dyes
- Ideal as a post-maintenance cleaner or as a general cleaner for removing more stubborn soiling
- Biodegradable
- Removes bitumen residue & softens resins and some adhesives
- Approved for cleaning aircraft exterior surfaces

MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



1031045
31597-AA

1031135
31783-AA



DEGREASER RTU

TOUGH WATER-BASED DEGREASER

Use to degrease components when a regular solvent cleaner cannot be used. Ideal for gearboxes, hydraulic systems, open gears, chains and pumps to remove a variety of soiling types.

- Removes tough, stubborn soiling such as heavy oil, grease, grime, silicones, wax and old lubricants
- Safe for use on most plastics, rubber and painted surfaces
- Contains a highly effective corrosion inhibitor to help prevent flash rusting

MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



1030914
31464-AA

1031272
32090-AA

1031132
31763-AA





MATERIALS COMPATIBILITY
EVAPORATION RATE
CLEANING POWER
POST-PROCESS RESIDUE

DEGREASER FG

NSF A1 WATER-BASED DEGREASER

Use to degrease components when a regular solvent degreaser cannot be used. Formulated specifically for use in the food/beverage industry for risk reduction.

- NSF A1 registered (No.137997)
- Readily biodegradable
- Effective in both hot and cold water
- Use on gearbox housing, hydraulic systems, large panels, and even walls and floors
- Concentrated for convenience and economy
- Non-flammable



1754601
33419-AA



MATERIALS COMPATIBILITY
EVAPORATION RATE
CLEANING POWER
POST-PROCESS RESIDUE

HYDROPOWER

WATER BASED, POWERFUL DEGREASER, NSF REGISTERED

Quickly and safely remove, grease, oil, lubricants, grime, and other tough contaminants from mechanical parts and surfaces. Safe and environmentally friendly alternative to solvent cleaners.

- No harmful Volatile Organic Components (VOCs)
- Readily biodegradable ($\geq 60\%$ by OECD 301)
- Non-flammable



1755346
33431



MATERIALS COMPATIBILITY
EVAPORATION RATE
CLEANING POWER
POST-PROCESS RESIDUE

SUGAR REMOVER & INHIBITOR FG

CLEANER FOR SUGAR DEPOSIT REMOVAL

Highly effective thin cleaning fluid that penetrates and lifts sugar, fondant, plant sugar extracts, and sugar derivatives from equipment surfaces.

- NSF H1 registered (No.144180)
- Formulated using only food grade acceptable components
- Leaves a light lubricating film that inhibits re-adhesion for easier clean-down
- Helps reduce scraping and improves equipment performance



1032646
33296-AA



MATERIALS COMPATIBILITY
EVAPORATION RATE
CLEANING POWER
POST-PROCESS RESIDUE

HARD SURFACE CLEANER

WATER-BASED MULTI-SURFACE CLEANER

An environmentally preferred Non-flammable product that can be used on all floors as a cleaner to remove oil, grime and common soiling types.

- Can be used on almost any hard surface: concrete floors, walls, doors, marble, duct-work, signs, terrazzo, and more
- Particularly effective on sealed warehouse flooring, vinyl corridor tiles, and canteen floors
- Can be used with hot or cold water
- Very economical in use



1031131
31761-AA





STAINLESS STEEL CLEANER FG

A7

C1



NSF

DUAL ACTION CLEANER AND POLISH

For use on all types of stainless steel and other 'shiny' metals to remove light oils, fingerprints, and water marks.

- NSF A7 and C1 registered (No.138212)
- Dual action: cleans and polishes in one application
- Dense foam allows use on vertical surfaces without dripping
- Leaves an invisible, non-greasy film for lasting shine
- Ideal post-maintenance cleaner



1030500
30249-AA



MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



GLASS CLEANER

FOR GLASS AND GLAZING

Use on all glazed and ceramic surfaces to remove light soiling and marks.

- Produces a smear-free and residue-free finish with minimal effort
- Incredible results, first time
- Automotive approval: Ford Tox No: 177057



1031043
31596-AA



MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



MULTI-SURFACE POLISH

CLEANER AND POLISH FOR HARD SURFACES

Developed to cut through and remove industrial soiling which is often more tenacious than domestic dust/grime.

- Wax/silicone blend provides a durable, high gloss shine
- Pleasant fragrance leaves the area smelling fresh and clean
- Works rapidly to capture dust and grime for rapid "one-application" cleaning
- Use with Ambersil Engineers Wipes for best results



1031063
31627-AA



MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



UNIVERSAL SCREEN CLEANER FG

P1



NSF

FOAMING VDU SCREEN CLEANER

Removes finger-marks and contamination from visual display units (VDU's) such as LCD monitors and production control screens. Ideal for cleaning thermal imaging camera screens.

- Can be used on most screen types (LCD, TFT, Plasma, etc.)
- Exceptionally economical in use
- NSF P1 registered (No.147407)



1030485
30236-AA

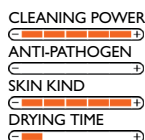


MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



HAND CLEANER PLUS

PROFESSIONAL GRADE WORKSHOP HAND CLEANER

Solvent-free hand cleaner with Aloe Vera, jojoba and environmentally-friendly abrasives. Formulated for engineering workshops and professional users. Rapidly removes: lubricants, grease, tar, bitumen, most paints, grime and general soiling.

- Powerful performance yet mild on skin
- Easily removed with fresh water
- Does not contain alcohol or solvent
- Contains moisturising agents and biodegradable abrasives
- Exceptionally economical in use



1032500
33174-AA



CLEANERS

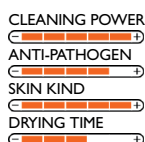
LUBRICANTS

METAL WORKING

ANTI-CORROSION

ADHESIVES / SEALANTS

POLYMER PROCESSING



TOUGH WIPES

HIGH ABSORBENCY HAND CLEANING WIPE

High absorbency hand wipes over-layered with a polymer web for all the deep cleaning power of pumice in a handy wipe.

- Highly effective on a range of soiling types: adhesives, grease, oil, tar, silicone, resins, paints, and more
- No need for water or drying towels
- Dermatologically tested
- No contamination or lasting fragrance from heavy perfumes
- Combats common pathogens and decontaminates hands



1032714
33352-AA

1030772
30767-AC



HAND CLEANING WIPES

READY TO USE HAND & TOOL WIPES

Use for cleaning light to moderate grime and oil from tools, hands, and equipment.

- Economical hand cleaning - 150 wipes per tub
- Keeps expensive hand tools clean
- Multi-purpose disposable wipes
- Combats common germs
- Excellent materials compatibility



1031138
31798-AA

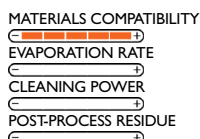


ENGINEERS WIPES

LOW/ZERO LINT CLEANING WIPES

High quality, extremely low lint dry wipes for use with all Ambersil solvents, cleaners, lubricants.

- Tear resistant and "non-linting"
- Suitable for use with all Ambersil products
- Excellent wet strength - resists tearing and can be reused
- Ideal for use on delicate surfaces: computer monitors, touch screens, LCD/plasma screens, and more
- Highly absorbent
- Large wipe size: 300mm x 320mm



1032716
33353-AA





MATERIALS COMPATIBILITY
EVAPORATION RATE
CLEANING POWER
POST-PROCESS RESIDUE

AIR DUSTER

NON-FLAMMABLE DUSTER FOR ELECTRONICS

A high pressure, inert, liquefied gas that safely removes dust and loose debris with a powerful 'air' jet. Helps prevent electronic component errors or downtime.

- NSF K2 Registered (No. 157081)
- Safe for use on all surfaces, electronic components and sensors
- Does not contain CFC's, HFC's, and is non-ozone depleting
- Powerful blast easily displaces loose contamination
- Non-flammable (directive 2008/47/EC) & zero odour in use
- GWP of just 6



1753654
33181-AA



MATERIALS COMPATIBILITY
EVAPORATION RATE
CLEANING POWER
POST-PROCESS RESIDUE

AIR DUSTER EXTREME

EXTREMELY POWERFUL LOW GWP DUSTER

High powered, Non-flammable, duster that delivers an extremely powerful blast of 'air' to remove dry contamination.

- Extremely powerful 'air' blast
- Up to double the power of standard dusters
- Non-flammable (directive 2008/47/EC) & safer in use
- Instantly removes dry contamination
- Climate friendly, low GWP of 6



1032624
33279-AA



MATERIALS COMPATIBILITY
EVAPORATION RATE
CLEANING POWER
POST-PROCESS RESIDUE

PRECISION DUSTER

PRECISION DUSTER FOR USE WITH SEPARATE ADAPTOR

High flow duster for use with separate jet-spray nozzle for the removal of dry contamination. Compatible with industry-standard duster attachments.

- Powerful duster for use with separate precision jet nozzle
- Non-flammable (directive 2008/47/EC) & safer in use
- Instantly removes dry contamination
- Climate friendly, low GWP of 6
- Fits other commercially available adaptors
- Brass jet nozzle eliminates potential for static build-up when used with anti-static wrist band



1032623 (without adaptor)
33278-AA

1030774 (required)
30776-AA



MATERIALS COMPATIBILITY
EVAPORATION RATE
CLEANING POWER
POST-PROCESS RESIDUE

INVERTIBLE AIR DUSTER

"ALL ANGLE" DUSTER FOR ELECTRONICS

A powerful, dry 'air' blast for the removal of dry contaminants from electronics.

- Ideal for safety critical applications
- Invertible valve system virtually eliminates the potential for moisture contamination of delicate electronics
- Non-flammable (directive 2008/47/EC) & zero odour in use
- Does not contain CFC's, HFC's, and is non-ozone depleting
- 360° Spray System allows use at all angles
- GWP of just 6



1032514
33183-AA



DUST REMOVER



NON-SAFETY CRITICAL DUSTER

An economical duster developed to meet the market demand for a non-safety-critical duster.

- Ensure all equipment is de-energised and static electricity has been eliminated prior to use
- Powerful 'air' blast rapidly removes loose contamination
- Ideal for use on delicate electronics
- Does not contain CFC's, HCFC's, and is non-ozone depleting
- GWP of 3.5
- This product is flammable



1031493
32504-AA



MATERIALS COMPATIBILITY
EVAPORATION RATE
CLEANING POWER
POST-PROCESS RESIDUE

ANTI-STATIC SPRAY



DISSIPATES STATIC BUILD UP

Use on any surface prone to static charge prior to maintenance, or as part of a static control programme.

- Rapidly reduces electrostatic charges
- Quick and easy to use
- Non-toxic and biodegradable
- Particularly useful in the paper and textile industries, and anywhere prone to airborne dust



1030993
31561-AC



MATERIALS COMPATIBILITY
EVAPORATION RATE
CLEANING POWER
POST-PROCESS RESIDUE

ULTRASONIC CLEANING FLUID



GENERAL-PURPOSE CLEANER

Developed for use in ultrasonic baths, this cleaner removes all traces of contamination including oils, waxes, fluxes, and silicones.

- Can be diluted 5:1 depending on level of soiling
- Effective in both hot and cold water



1031277
32112-AA



MATERIALS COMPATIBILITY
EVAPORATION RATE
CLEANING POWER
POST-PROCESS RESIDUE

FREEZER



FAULT DETECTION FOR ELECTRONICS

Use on electronic circuits to identify thermally intermittent faulty components.

- Rapidly reduces component temperature by up to -50°C
- Non-flammable, non-toxic, and completely odourless
- Can be used to cool thermally sensitive parts during soldering or calibration
- Rail Approved product (007/020505)
- GWP of just 6
- Will also embrittle sticky substances such as chewing gum to aid removal



1032513
33182-AA



MATERIALS COMPATIBILITY
FLAMMABILITY
GWP
POST-PROCESS RESIDUE



MATERIALS COMPATIBILITY
 EVAPORATION RATE
 CLEANING POWER
 POST-PROCESS RESIDUE

AMBERKLENE FE10

FAST-DRYING SOLVENT DEGREASER

Use for the general degreasing of machinery including chains, gears, bearings, drives, motors, and more.

- Powerful flushing action rapidly dissolves and removes contaminants
- Safe for use on all metals and most plastics
- Zero residue - perfect for surface preparation prior to bonding, painting, coating, or re-lubrication
- Fitted with the Ambersil 360° spray system for all angle use



1030980
31553-AA

1031076
31634-AB

1030545
30308-AA



MATERIALS COMPATIBILITY
 EVAPORATION RATE
 CLEANING POWER
 POST-PROCESS RESIDUE

AMBERKLENE ME20

HEAVY-DUTY SOLVENT

Formulated with a slower evaporation rate for longer contact time on heavy grease and old lubricant deposits.

- Removes heavy, old, and significant deposits of oil, grease, waxes and silicone
- Superior wetting properties ensures extended contact time and solvency performance
- Higher flash point of 41°C for application safety
- Leaves a clean, dry, residue free surface



1030984
31554-AA

1031078
31636-AB



MATERIALS COMPATIBILITY
 EVAPORATION RATE
 CLEANING POWER
 POST-PROCESS RESIDUE

AMBERKLENE LO30

LOWER ODOUR SOLVENT DEGREASER

Use for general light degreasing on bearings, motors, gears and chains without the traditional odour associated with solvent degreasers.

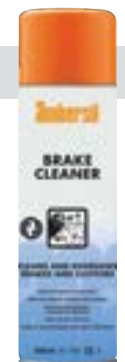
- Safe for use on ferrous and non-ferrous metals, most painted surfaces, and most plastics
- Will not stress-crack acrylic
- Listed in British Airways 'Standard Practice' manual. Meets US Federal Spec. TT-N-95Bv Type 2; and is approved by Ford Motor Company (Tox: 166741)



1030985
31555-AA

1031097
31699-AA

1031098
31700-AA



MATERIALS COMPATIBILITY
 EVAPORATION RATE
 CLEANING POWER
 POST-PROCESS RESIDUE

BRAKE CLEANER

AUTOMOTIVE SOLVENT CLEANER

Use on all brakes and clutches to remove dust deposits, oil, grease, and other contaminants. Also removes anti-corrosion coatings on new brake discs prior to fitting.

- Reduces disc brake squeal and clutch chatter
- Can be used as a general-purpose degreaser



1030527
30282-AA

1031133
31772-AA





INDUSTRIAL DEGREASER FG

A8

K1



HEAVY-DUTY, FAST EVAPORATING SOLVENT

Formulated for use in the food/beverage industry to tackle 'difficult' degreasing applications. Excellent general-purpose solvent degreaser.

- NSF A8 and K1 registered (No. I40255 and I40250)
- Powerful flushing action with superior wetting properties ensures excellent results
- Zero residue



1030502
30251-AA

1030503
30252-AA



MATERIALS COMPATIBILITY



SOLVENT DEGREASER



WATER RINSABLE DEGREASER

Use for engine and equipment degreasing which can be washed down, or for use in enclosed environments where vapours need to be minimised.

- Contains a highly effective emulsifier that enables dissolved oil/grease residues to mix with water for easy wash-off
- Higher flash point of 39°C for application safety
- Contains rust inhibitor to prevent flash rusting



1030991
31558-AA



MATERIALS COMPATIBILITY



AMBERKLEENE FG

A8

C1



BIODEGRADABLE SOLVENT DEGREASER

A medium/slower evaporation solvent degreaser for use in the food/beverage sector. Use to remove grease and oils from bearings, housings, conveyor drives, chains and even wax-based anti-corrosion coatings.

- NSF A8 and C1 registered (No. I37996 and I40261)
- Higher flash point of 40°C for application safety



1030491
30242-AA



MATERIALS COMPATIBILITY



LEC-KLENE



HIGH FLASH POINT SOLVENT DEGREASER

An advanced high flash point solvent degreaser for electronic and aviation components. The ultra-pure formulation delivers a good level of solvency power with excellent materials compatibility.

- A fast and effective general-purpose degreaser
- Higher flash point (>62°C) for application safety
- Use where DEF STAN 68-148 is specified
- No detrimental effect on painted surfaces, ferrous or non-ferrous metals, epoxy based composites, acrylic sheet, plastics, and rubber



1030990
31557-AD

1040509
31702-AA



MATERIALS COMPATIBILITY





AMBERSOLV SB1

CITRUS BASED SOLVENT DEGREASER

A solvent degreaser with added citrus power for use on grease and grime that may contain multiple contamination types.

- Effective on a wide range of soiling such as: oil, grease, tar, bitumen, silicones, rubber-based adhesives, oil-based paints, inks and dyes
- Safe for use on most plastics and all metals & cable insulation
- Military & Aviation approved
- Low toxicity, inherently biodegradable

MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



1031046
31598-AA

1031136
31785-AA

1031137
31786-AA



FAST CLEAN 200/201

EXTRA FAST & POWERFUL SOLVENT

An advanced degreasing solvent that has both exceptionally fast-drying speed and very high solvency power.

- Removes heavy, old, and dried-on deposits of oil, grease, waxes and silicone
- Powerful flushing action rapidly dissolves and removes contaminants
- Non-chlorinated
- Zero residue

MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



1031158
31890-AA

1031278
32114-AA



BA40 SOLVENT

AVIATION SPECIFIED SOLVENT CLEANER

Developed specifically for the demands of the aviation industry for a cleaner to remove uncured polysulphide sealant.

- Removes stubborn residues such as: adhesives, inks, resins, varnishes and lacquers
- Powerful solvent for excellent penetration but with rapid evaporation for maximum efficiency
- Low pressure spray provides an even coverage and prevents splash back in use
- Zero residue

MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



1030988
31556-AA



PAINT & GRAFFITI REMOVER

POWERFUL PAINT REMOVER

A highly effective solution to the difficult problem of removing graffiti and old paint.

- Rapidly softens existing paint for easier removal prior to repainting with Ambersolv Acrylic Paint or Galva Colour
- For use on hard, non-porous surfaces, test substrate compatibility prior to use
- Softens acrylic paint in 3 minutes, and softens tough paints in 10 minutes

MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



1031069
31630-AA



GASKET STRIPPER GS5



UNIVERSAL GASKET STRIPPER

Removes in-place gaskets from gearboxes, drives, chain enclosures, and engines.

- Use to remove thread locking compounds, silicone sealant, and mastics
- Foaming formulation extends contact time and assists in gasket softening
- Fast acting: works in less than 20 minutes
- Reduces scraping and potential damage to surfaces



MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



1031159
31891-AA



LABEL REMOVER



SELF-ADHESIVE LABEL AND STICKER REMOVER

An optimum blend of solvent and citrus active ingredients which will penetrate paper labels rapidly to soften the adhesive.

- Reduces the need for scraping and the potential damage that may cause
- Improves packaging line efficiency by reducing jamming caused by label and adhesive build-up
- Pleasant citrus smell
- Test plastics compatibility prior to use



MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



1031067
31629-AA



LABEL & ADHESIVE REMOVER FG

K3



FOOD GRADE LABEL & ADHESIVE REMOVER

Use for the removal of packaging and transport labels from shipping containers, plastic boxes, and bulk storage (intermediate) drums.

- NSF K3 registered (No. 140259)
- An optimum blend of solvent and citrus active ingredients penetrate paper labels rapidly
- Use on packaging lines to remove label & adhesive build up
- Minimises the requirement for scraping



MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



1030504
30254-AA



CCL 100



3-IN-1 CONTACT CLEANER LUBRICANT

A versatile product for use on electrical switchgear and electric motor contacts. Ideal for use on radar systems where contacts may be exposed to moisture.

- Cleans, lubricates, and prevents corrosion in one application
- Removes light oils, light grease, tarnish, and oxidation
- Cuts voltage drop between contacts
- Leaves an oily conductive film for contact protection and prevents arcing



MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

FILM VISCOSITY



1031157
31889-AB





MATERIALS COMPATIBILITY	5
EVAPORATION RATE	5
CLEANING POWER	5
POST-PROCESS RESIDUE	5

AMBERTRON

ULTRA PURE CONTACT CLEANER

Ultra pure formulation for critical maintenance. Removes light oils and contamination safely from PCB's, relays, all electrical contacts, switches, and more.

- Excellent materials compatibility: safe for use on plastics, rubber, composites, metal and painted surfaces
- Non-conductive
- Quick and effective cleaning with zero residue
- Automotive approval: Ford Tox No: 166300 and Rail approved: 007/007224
- Will not produce frost



1030978
31552-AA

1031096
31695-AA



MATERIALS COMPATIBILITY	5
EVAPORATION RATE	5
CLEANING POWER	5
POST-PROCESS RESIDUE	5

NF PRECISION CLEANER

NON-FLAMMABLE CONTACT CLEANER

An advanced solvent contact cleaner that is Non-flammable and ideal for servicing critical electronics that cannot be switched off or de-energised.

- Excellent materials compatibility: safe for use on plastics, rubber, composites, metal and painted surfaces
- Passes flame extension test FEA 607E and Drum test FEA 610E for genuine Non-flammable performance



1032631
33284-AA



MATERIALS COMPATIBILITY	5
EVAPORATION RATE	5
CLEANING POWER	5
POST-PROCESS RESIDUE	5

CONTACT CLEANER FG

FOOD GRADE ELECTRICAL CONTACT CLEANER

Designed for electrical component maintenance in the food industry, particularly for on-line production electrics and similar delicate equipment.

- NSF K2 Registered (No.139627)
- Use to remove grime and contamination from PCB's & electronics
- Reduces voltage drop due to contamination
- Non-corrosive and non-conductive



1031035
31588-AA



MATERIALS COMPATIBILITY	5
EVAPORATION RATE	5
CLEANING POWER	5
POST-PROCESS RESIDUE	5

IPA SOLVENT

ISOPROPYL ALCOHOL CLEANING SOLVENT

A gentle yet highly effective alcohol based cleaner for use on optical devices, switches, PCB's and on general electronics.

- Excellent materials compatibility: safe for use on plastics, rubber, composites, metal and painted surfaces
- Conforms to BS 1595, ASTM D770, and DIN 53245
- Zero residue
- Removes moisture



1031108
31713-AA

1031003
31569-AA

1031110
31714-AA

1031112
31716-AA

1031111
31715-AA

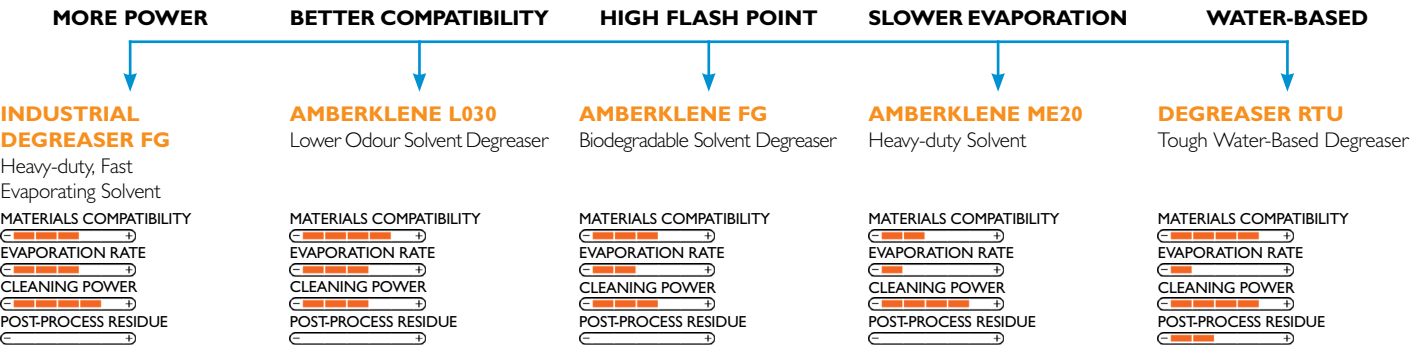


INSTANT CLEANERS EXPERT

GENERAL ENGINEERING DEGREASER

AMBERKLENE FE10
Fast-Drying Solvent Degreaser

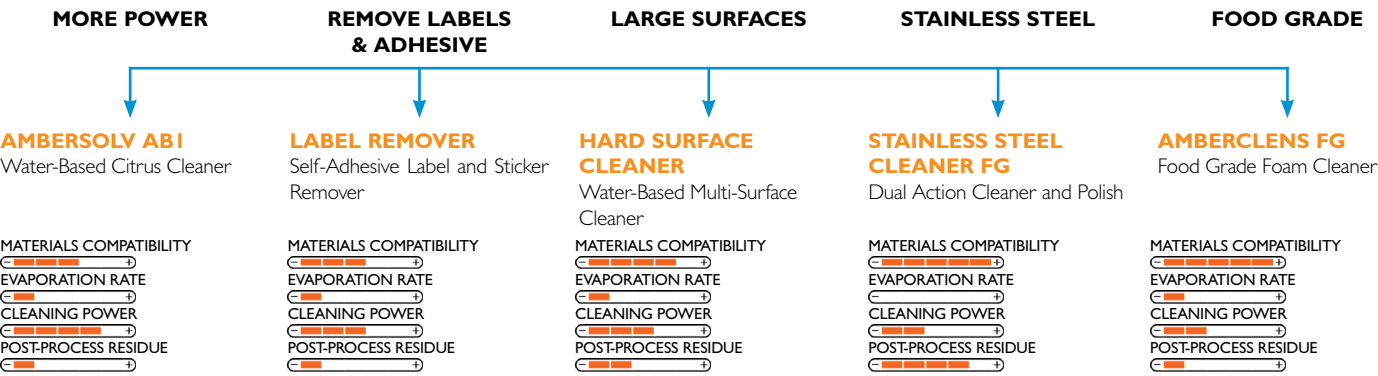
MATERIALS COMPATIBILITY
EVAPORATION RATE
CLEANING POWER
POST-PROCESS RESIDUE



MULTI-SURFACE CLEANER

AMBERCLENS
Anti-Static Foam Cleaner

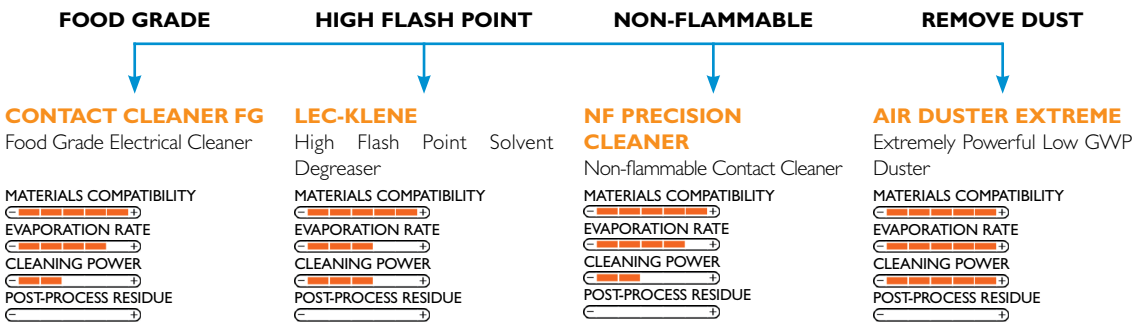
MATERIALS COMPATIBILITY
EVAPORATION RATE
CLEANING POWER
POST-PROCESS RESIDUE



ELECTRICAL MAINTENANCE

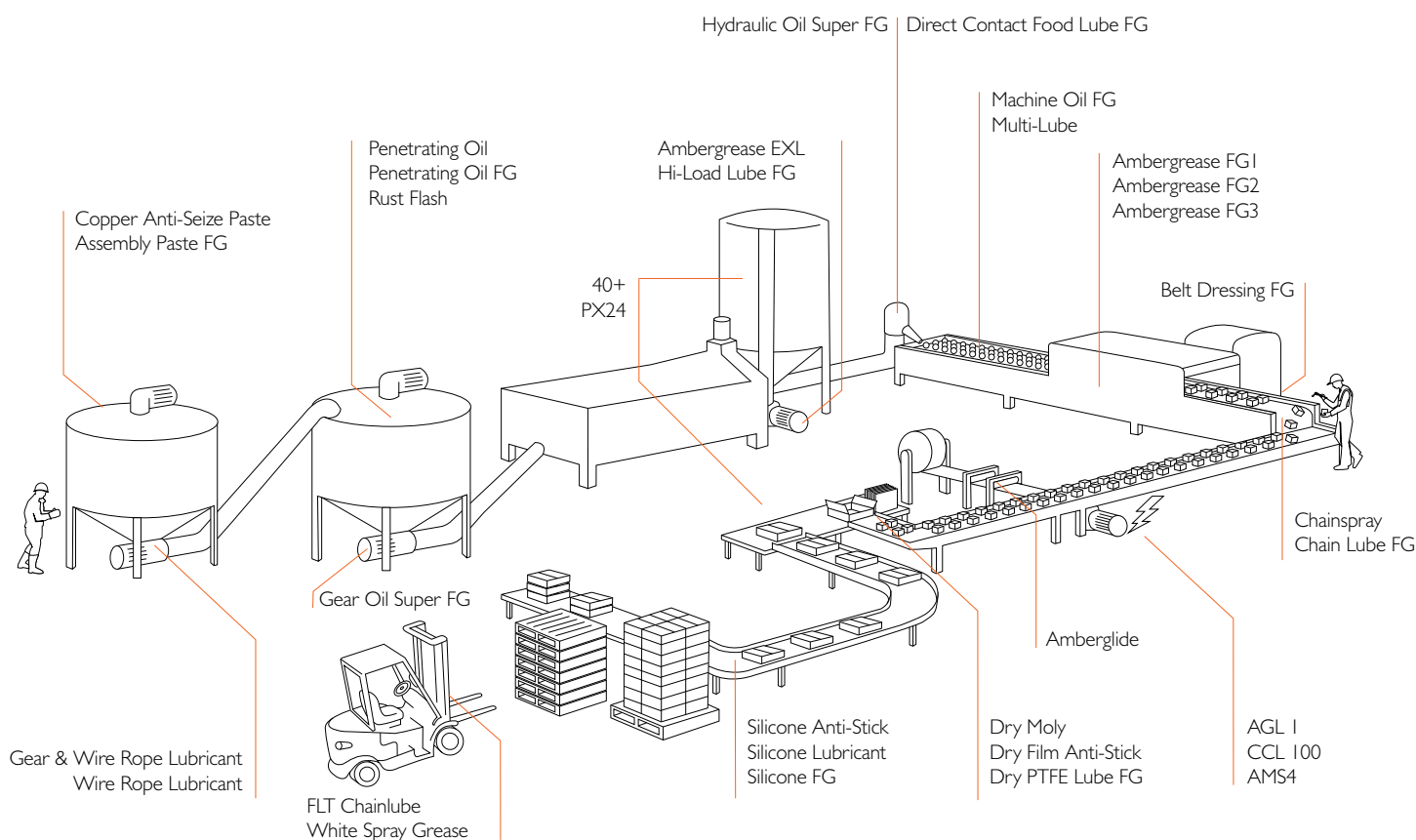
AMBERTRON
Ultra Pure Contact Cleaner

MATERIALS COMPATIBILITY
EVAPORATION RATE
CLEANING POWER
POST-PROCESS RESIDUE



LUBRICANTS, GREASES & OILS

From multi-purpose lubricants through to fully synthetic gear oils, Ambersil lubricants keep the wheels of industry turning.



LUBRICANTS SELECTION CHART

PRODUCT TYPE	APPLICATION REQUIREMENT	TYPE OF DUTY	RECOMMENDED PRODUCT	PAGE
MULTI-PURPOSE	Multiple Industrial Approvals		40+	28
	Food Processing Safe®		MACHINE OIL FG	29
	Food Processing Safe® 3H H1		DIRECT CONTACT FOOD LUBE FG	29
	Military Grade		PX24	28
	General-purpose		MULTI-LUBE	29
	Greaseless/Thin-Film		AGLI	28
PTFE LUBRICANTS	Wet-Film	Oily	AMBERGLIDE	31
		Chain Lubricant	CHAIN LUBE FG	33
	Dry Film		DRY FILM ANTI-STICK	31
		Food Processing Safe®	DRY PTFE LUBE FG	31
SILICONE LUBRICANTS	Grease		AMS4 SILICONE GREASE	36
	High Concentration Silicone		SILICONE ANTI-STICK	30
	General-purpose Silicone		SILICONE LUBRICANT	30
	Food Processing Safe®		SILICONE FG	31
MOS2 LUBRICANTS	Dry Film Lubricant		DRY MOLY	32
	Wet-Film		CHAINSPRAY	33
GRAPHITE	Dry Lubricant/Release Agent		GRAPHITE RELEASE SPRAY	34
GREASES	Top-Line Performance Grease	>800Kg 4-ball weld	AMBERGREASE EXL	34
	Food Processing Safe®: Hi-Load	400Kg 4-ball weld	HI-LOAD LUBE FG	35
	Food Processing Safe®: General-purpose	200Kg 4-ball weld	AMBERGREASE FG1	35
	Food Processing Safe®: High Temp	180Kg 4-Ball weld	AMBERGREASE FG2	35
	Food Processing Safe®: General-purpose	120Kg 4-Ball weld	AMBERGREASE FG3	35
			FOOD GREASE FG	34
	Electronics Grease	Silicone	AMBERGREASE SIL	36
		XG-250	AMS4	36
	General Automotive Grease		WHITE SPRAY GREASE	36
	NLGI 00		WIRE ROPE LUBRICANT	33
ANTI-SEIZE & PENETRATING OILS	General-purpose Anti-Seize		COPPER ANTI-SEIZE	32
	Food Grade Anti-Seize		ASSEMBLY PASTE FG	32
	Traditional, Penetrating Oil (with MoS2)		PENETRATING OIL	29
		Food Processing Safe®	PENETRATING OIL FG	30
	Freeze Shock Penetrating Oil		RUST FLASH	30
CHAINS, GEARS, WIRE ROPE, DRIVE & BELT LUBRICANTS	Heavy-duty Chain Lubricant	MoS2	CHAINSPRAY	33
		Fork Lift Trucks	FLT CHAINSPRAY	33
		Food Processing Safe®	CHAIN LUBE FG	33
	Open Gears & Drives		GEAR & WIRE ROPE LUBE	32
	Wire Ropes	Aerosol	GEAR & WIRE ROPE LUBE	32
		Bulk Grease	WIRE ROPE LUBRICANT	33
	Drive Belts & Conveyors		BELT DRESSING FG	33
BULK OILS	Synthetic		GEAR OIL SUPER 220 FG	37
			GEAR OIL SUPER 150 FG	37
			HYDRAULIC OIL SUPER 46 FG	37
			HYDRAULIC OIL SUPER 32 FG	37
	Semi-Synthetic		LUBRICATING OIL 'LO' 100	36

CLEANERS

LUBRICANTS

METAL WORKING

ANTI-CORROSION

ADHESIVES / SEALANTS

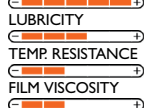
POLYMER PROCESSING

**40+****THE COMPLETE MAINTENANCE TREATMENT**

A true multi-purpose 'cure-all' for engineers: use as a de-watering fluid, a penetrant on seized fasteners, a general lubricant, and as a corrosion inhibitor.

- Excellent water displacement performance
- High dielectric strength, non-conductive film
- Safe on most paints, plastics, rubbers, and all metals
- Operational temperature range: -20°C to +115°C

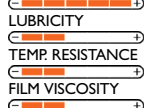
MATERIALS COMPATIBILITY

**AGL 1****LUBRICANT FOR ELECTRICAL EQUIPMENT**

Use to displace moisture and protect electrical contacts from corrosion.

- Ideal for renovating water-damaged equipment and motors
- Provides precision lubrication with its thin, high dielectric strength lubricating film
- Prevents electronic malfunction due to humidity, condensation or corrosion
- Displaces water, lubricates and protects

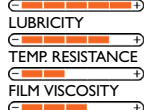
MATERIALS COMPATIBILITY

**PX24****MILITARY GRADE PROTECTIVE LUBRICANT**

Exceptional multi-purpose lubricant formulated to military specifications. It offers excellent materials compatibility, good lubrication as a machine oil, total moisture displacement and medium-term corrosion protection.

- Meets military specification Def. Stan 68-10 Issue 5 PX24
- Zero copper corrosion: IP 154, max 1: no pitting or etching
- Operational temperature range: -20°C to +115°C
- Rolls Royce Aerospace Approved: 1042E
- Leonardo Helicopters approved: WHPS: 158
- Fitted with a 360° Spray System for all angle use

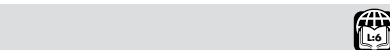
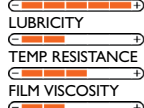
MATERIALS COMPATIBILITY

**MOISTURE REMOVER FG****NSF REGISTERED DE-WATERING FLUID**

For use on equipment to displace moisture, particularly after wash-down. Ideal for use on electronics.

- NSF H1 registered (No.161243)
- Prevents corrosion by displacing water from affected areas
- Operational temperature range: -50°C to +120°C

MATERIALS COMPATIBILITY





MACHINE OIL FG

NSF H1 GENERAL-PURPOSE LUBRICANT

For use in the food industry as a highly effective metal-to-metal lubricating film.

- NSF H1 registered (No.137999 & 140249)
- Formulated using only food grade acceptable components
- Creates a highly effective lubricating and anti-friction film
- Can be used as an anti-corrosion coating for metal parts in high humidity conditions
- Operational temperature range: -18°C to +120°C

MATERIALS COMPATIBILITY



H1

Perma-Lock
2-WAY INTEGRATED ACTUATOR

L6

NSF

FOOD
PROCESSING
SAFE



1030497
30247-AA

1030505
30255-AA



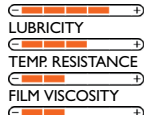
MULTI-LUBE

MULTI-PURPOSE LUBRICANT

A versatile light lubricant for use by automotive professionals and for the maintenance of mechanical handling equipment.

- Use as a lubricant, penetrant, anti-corrosion spray or de-watering fluid
- Safe on most paints, plastics, rubbers, and all metals
- Operational temperature range: -20°C to +115°C
- Good water displacement properties

MATERIALS COMPATIBILITY



1031052
31615-AA



DIRECT CONTACT FOOD LUBE FG

3H & H1 LUBRICATING OIL

Direct Contact Food Lube FG is an NSF registered 3H & H1 high performance, direct food contact release agent and extremely effective multi-purpose lubricant for use on food processing equipment where incidental food contact may occur.

- NSF registered: 3H and H1 (165196)
- Non-toxic, minimal odour, and safe for use in food production areas
- Use as an anti-stick release agent to prevent food adhering to surfaces
- Provides long-term, stable lubrication of moving parts
- Wide temperature resistance of -10°C to 120°C
- Protects against corrosion
- Does not contain silicone

MATERIALS COMPATIBILITY



3H H1

Perma-Lock
2-WAY INTEGRATED ACTUATOR

L25

NSF

FOOD
PROCESSING
SAFE



1032739
33367-AA

1031398
32326-AA



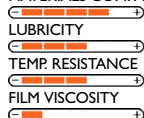
PENETRATING OIL

PENETRANT FOR SEIZED PARTS

Use as a highly effective release agent for all types of seized fasteners.

- Quickly frees fasteners seized by corrosion, heat, and over-tightening
- Lubricates fine and close tolerance threads
- Contains MoS₂
- Facilitates easier disassembly & reassembly
- Softens rust and carbon deposits
- Exceptionally low surface tension lubricant

MATERIALS COMPATIBILITY



1030488
30240-AA



CLEANERS

LUBRICANTS

METAL WORKING

ANTI-CORROSION

ADHESIVES / SEALANTS

POLYMER PROCESSING



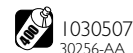
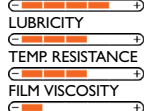
PENETRATING OIL FG

NSF H1 FOOD GRADE PENETRATING OIL

For use in the food & beverage industry on fasteners seized by heat, corrosion, over-tightening and contamination.

- NSF H1 registered (No. I40260)
- Spray on, allow to penetrate, and remove seized fasteners without damaging the head, thread or risk shearing
- Does not contain silicone
- Safe for use on all metals

MATERIALS COMPATIBILITY



RUST FLASH

PENETRANT WITH FREEZE SHOCK ACTION

For use on all seized and corroded fasteners. Ideal for bolts on equipment located outside and subjected to adverse conditions.

- Utilises the laws of thermo-dynamics: A 10 second burst will shock rust down to -40°C
- The rapid temperature drop causes the rust to fracture, allowing the lubricating oils to penetrate faster
- Ideal in automotive applications also frees corroded exhaust clamps

MATERIALS COMPATIBILITY



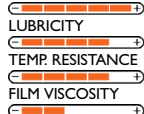
SILICONE LUBRICANT

GENERAL-PURPOSE SILICONE LUBRICANT

Use for plastic-to-plastic lubrication and as a highly effective friction inhibitor on chutes and slides. Ideal for use on tight plastic pipe fittings, or as a cutting aid on paper/textile blades.

- Odourless, colourless and non-staining
- Non-toxic and safe for use with potable water systems
- Exhibits excellent slip properties on blades, tables, chutes and conveyor guides
- Operational temperature range: -50°C to +200°C
- WRAS approved product: I310510

MATERIALS COMPATIBILITY



SILICONE ANTI-STICK

CONCENTRATED SILICONE LUBRICANT

High concentration silicone lubricant for demanding applications with higher loads or increased speeds e.g. robotic picking lines, pallet conveyors guides, and close tolerance fitting of large bore water pipes.

- Odourless, colourless and non-staining
- Use where high standards of purity and performance are essential
- Helps prevent line jams and inhibits adhesive build up on blades and sealers
- Operational temperature range: -50°C to +200°C
- WRAS approved product: I310510

MATERIALS COMPATIBILITY





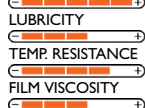
SILICONE FG

NSF H1 REGISTERED SILICONE LUBRICANT

Use where friction reduction is required particularly plastic-to-plastic components, on guide rails or as a label adhesive anti-stick treatment to dramatically reduce label adhesive build-up.

- NSF H1 registered (No.138000)
- Excellent general lubrication with a relatively dry film
- Eliminates sticking, squeaking and binding
- Operational temperature range: -40to +200°C
- Use on high-speed bagging lines and on chutes/slides
- Dry film ensures no product contamination

MATERIALS COMPATIBILITY



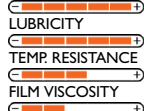
AMBERGLIDE

SUPERIOR PTFE LUBRICANT

A general-purpose lubricating oil fortified with high levels of PTFE for exceptional lubrication and anti-friction properties.

- Provides a long-lasting and durable film
- Significantly increases re-lubrication intervals
- Operational temperature range: -10°C to +180°C
- Highly water resistant and repels water from treated areas

MATERIALS COMPATIBILITY



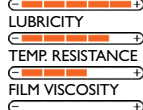
DRY FILM ANTI-STICK

CONCENTRATED DRY PTFE LUBRICANT

A concentrated, high PTFE content dry film lubricant for the lubrication of moving parts where an oily/wet or silicone lubricant cannot be used.

- The high level of PTFE in the dry film provides excellent anti-friction and slip performance to all sliding surfaces
- Excellent materials compatibility
- Suitable for use as an anti-tracking agent
- The dry film is unaffected by oil or solvents
- Operational temperature range: -100°C to +200°C

MATERIALS COMPATIBILITY



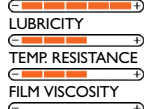
DRY PTFE LUBE FG

NSF H1 REGISTERED DRY LUBRICANT

A fine, dry PTFE lubricant for the general lubrication of moving parts where an oily or silicone lubricant cannot be used.

- NSF H1 registered (No.139899)
- Excellent materials compatibility
- Deposits a dry, non-staining film of pure PTFE
- The dry film is unaffected by oil and solvents
- Operational temperature range: -100°C to +200°C

MATERIALS COMPATIBILITY



1030499
30248-AA



1031006
31571-AA



1031010
31573-AA



1031037
31589-AD



CLEANERS

LUBRICANTS

METAL WORKING

ANTI-CORROSION

ADHESIVES / SEALANTS

POLYMER PROCESSING



DRY MOLY

DRY MOLYBDENUM DISULPHIDE LUBRICANT

For use in high load applications where other lubricants would fail, but a dry film is still required. Use as a running in treatment on rolling and sliding bearings.

- Tough and long-lasting resin bonded lubricant
- Multiple applications (re-coating) provides enhanced performance, with the final coat benefiting from light polishing to further improve slip
- Operational temperature range: -150°C to +400°C

MATERIALS COMPATIBILITY



1031016
31576-AA



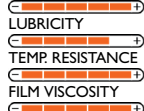
COPPER ANTI-SEIZE PASTE

HIGH TEMPERATURE ANTI-SEIZE

Use on threaded fasteners to prevent seizing during prolonged maintenance intervals, in hostile/high humidity environments, and areas subjected to high temperatures.

- Formulated with micronized copper and anti-oxidant additives to reduce friction and wear. Lead & Nickel free
- Good corrosion protection even in highly corrosive environments
- True copper paste exhibits much higher copper content than equivalent copper greases
- Operational temperature range: -30°C to +1100°C

MATERIALS COMPATIBILITY



1030543
30303-AA

1030487
30239-AA



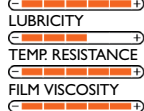
ASSEMBLY PASTE FG

ANTI-SEIZE & ASSEMBLY COMPOUND

Use in the same manner as a traditional Copper Anti-Seize on fasteners, or as a running-in compound for bearings. The non-metallic solids content make this product suitable for use in the food industry.

- NSF H1 registered (No.138266 & 139900)
- Prevents seizure of threaded components enabling easy and quick dismantling
- Operational temperature range: -30°C to +1100°C

MATERIALS COMPATIBILITY



1031034
31587-AD



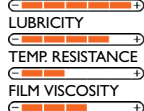
GEAR & WIRE ROPE LUBRICANT

HEAVY-DUTY LUBRICANT

Specially formulated for open gears in dusty environments (e.g. quarries) where the semi-dry film does not attract or hold dust. Use on all wire ropes subjected to tension and/or movement.

- Forms a semi-dry, non-peeling film that overcomes the limitations of grease and pressure cushions
- Can be applied to gears in motion
- Deep penetration of wire ropes for internal lubrication and corrosion protection
- Operational temperature range: -25°C to +100°C

MATERIALS COMPATIBILITY



1031026
31583-AA





CHAINSPray

CHAIN & DRIVE LUBRICANT

Use on all types of drive chains, including production line, door mechanisms, quarry plant, and drying oven doors.

- Offers maximum adhesion to chain link with excellent penetration, lubrication and corrosion protection of the pins
- High temperature resistant: up to 200°C continuous (300°C intermittent)
- Also available as an alternative product specifically for use on forklift trucks: "FLT Chain Spray"

MATERIALS COMPATIBILITY



1031013
31575-AA

1031049
31614-AA
(FLT version)



1030495
30245-AA
1030526
30278-AA



CHAIN LUBE FG

FOOD GRADE PTFE CHAIN LUBRICANT

Ideal for all types of chains and chain driven drive systems. The addition of PTFE to the lubricant enhances long-term chain lubrication.

- NSF H1 registered (No.137998 & 143144)
- Gentle foaming action helps lubricant cling to chains and penetrate deep into links
- Leaves a tenacious, long-lasting lubricating and anti-corrosion film
- Operational temperature range: -15°C to +175°C
- Bulk version is not suitable for narrow bore or remote lubrication systems (for this application, see page 37 for Gear Oil Super FG)

MATERIALS COMPATIBILITY



WIRE ROPE LUBRICANT

SEMI-FLUID WIRE ROPE GREASE

Designed for the lubrication and corrosion prevention requirements of wire ropes working under all conditions, particularly marine environments.

- Penetrates between the rope strands to provide internal lubrication and protection
- High solids content protects wire rope strands from high load and wear during service life
- NLGI grade 00

MATERIALS COMPATIBILITY



1031113
31720-AA

1031114
31722-AA



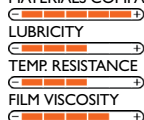
BELT DRESSING FG

ADHESIVE BELT LUBRICANT

Improves grip on all types of belts whilst reducing squeak and prolongs belt service life.

- NSF H1 registered (No.140257)
- Works on all types of belts: vee, flat, toothed, rubber, leather and fabric
- Protects belt from deterioration through oxidation and heat
- Tacky lubricating film increases belt pulling power and does not fling off

MATERIALS COMPATIBILITY



1030509
30257-AA



CLEANERS

LUBRICANTS

METAL WORKING

ANTI-CORROSION

ADHESIVES / SEALANTS

POLYMER PROCESSING



ADHESIVE LUBRICANT

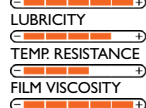


ADVANCED MULTI-PURPOSE LUBRICANT

A specially formulated blend of high quality mineral and synthetic oils, anti-oxidation and anti-wear additives, friction modifiers and tackiness agents.

- Penetrates upon application then thickens
- Ideal for applications where shock loading occurs
- Highly visible blue colour upon application for visible coverage, which then turns transparent after a few days
- Temperature range: -12°C to $+150^{\circ}\text{C}$ (180°C intermittent)

MATERIALS COMPATIBILITY



1031491
32500-AA



GRAPHITE RELEASE SPRAY

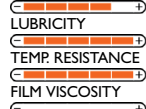


DRY GRAPHITE LUBRICANT & RELEASE SPRAY

A high purity, dry, concentrated graphite lubricant and release agent. Formulated especially for the glass blowing industry as a mould pre-treatment.

- The resin binder allows the micro-graphite particles to bind strongly to all substrates
- Above 100°C the binder will safely decompose leaving dry graphite powder for the highly effective and consistent release of formed glass bottles

MATERIALS COMPATIBILITY



1031490
30249-AA



AMBERGREASE EXL

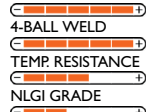


EXTENDED LIFE, PERFORMANCE BEARING GREASE

Use on critical, high load bearings and sliding surfaces. Ideal for use in applications where a longer than usual in-service life is required.

- Exceptional load carrying capacity: $>800\text{Kg}$ 4-ball weld load
- Mean Hertz Load: 125Kg ; Timken OK load: 25Kg
- Highly visible red grease, NLGI type 2, Lithium-Calcium Complex thickened
- Operational temperature range: -30°C to $+150^{\circ}\text{C}$

MATERIALS COMPATIBILITY



1030544
30304-AB

1031012
31574-AA



FOOD GREASE FG



MULTI-PURPOSE SPRAY GREASE

Formulated for use in the food and beverage industry on plain bearings, hinges and moving parts. Particularly for limited access areas where regular grease penetration may be difficult.

- NSF H1 registered (No.140258)
- NLGI type 2 white grease, aluminium complex thickened
- Excellent resistance to moisture with very low water wash-out
- Operational temperature range: -20°C to $+140^{\circ}\text{C}$

MATERIALS COMPATIBILITY



1030513
30259-AA





AMBERGREASE FG1

H1

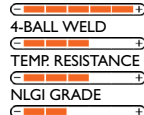


FOOD GRADE HIGH PERFORMANCE GREASE

A high performance multi-purpose grease suitable for all bearing types and use at low temperatures. It demonstrates enhanced performance characteristics in moist or wet environments.

- NSF H1 Registered (No.138264)
- White, NLGI type 2, aluminium complex thickened grease
- Very good load performance: 4-ball weld load >200Kg
- Very low water-washout <1%
- Operational temperature range: -50°C to +165°C

MATERIALS COMPATIBILITY



1031029
31584-AA



AMBERGREASE FG2

H1



HIGH TEMPERATURE BEARING GREASE

For use in the food/beverage industry on all types of plain bearings subjected to elevated temperatures such as on oven conveyors, oven fan bearings, bakery lines, autoclaves, and food container moulding machines.

- NSF H1 registered (No.138265)
- Translucent NLGI type 2 silicone grease
- Shell 4-ball weld load (IP 239): 180Kg
- Operational temperature range: -20°C to +220°C

MATERIALS COMPATIBILITY



1031031
31585-AA



AMBERGREASE FG3

H1



NSF H1 MULTI-PURPOSE BEARING GREASE

A multi-purpose grease that is ideally suited to general bearing lubrication not subjected to extremes of operating requirements.

- NSF H1 registered (No.140248)
- Translucent NLGI type 2 grease; aluminium complex thickened
- Ideal for end-of-line conveyor lubrication and low-load drive motor bearings
- Operational temperature range: -20°C to +140°C

MATERIALS COMPATIBILITY



1030511
30258-AA



HI-LOAD LUBE FG

H1



NSF H1 HEAVY-DUTY BEARING GREASE

Use on heavily loaded bearings and sliding surfaces (e.g. guide rails) to minimise friction and wear.

- NSF H1 registered (No.143048)
- Excellent load-bearing: 4-ball weld load >400Kg
- Excellent moisture resistance with very low water washout
- NLGI type 2, white, aluminium complex thickened grease
- Operational temperature range: -40°C to +180°C
- Available in 18Kg

MATERIALS COMPATIBILITY



1031177
31966-AA



CLEANERS

LUBRICANTS

METAL WORKING

ANTI-CORROSION

ADHESIVES / SEALANTS

POLYMER PROCESSING



WHITE SPRAY GREASE

MULTI-PURPOSE SPRAY GREASE

Ideal for use on vehicle door hinges, on runners, guides, and for assembly of close tolerance parts.

- Multi-purpose white grease in an aerosol
- Good penetration for even coverage and protection
- Operational temperature range: -10°C to +120°C

MATERIALS COMPATIBILITY



1031053
31617-AA



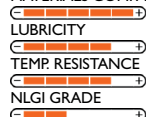
AMBERGREASE SIL

PURE SILICONE GREASE

Ideal for electric motor spindle lubrication or to protect electronics from atmospheric moisture.

- Clear, colourless, odourless NLGI type 2 grease
- Suitable for waterproofing all types of electrical systems
- Excellent dielectric resistance
- 4-ball weld load of 200Kg
- Operational temperature range: -50°C to +220°C

MATERIALS COMPATIBILITY



1031156
31888-AA



AMS4 SILICONE GREASE

MILITARY GRADE SILICONE GREASE

Military & aviation grade XG250 silicone grease for use on rubber seals to prevent cracking, on 3-phase connectors to prevent moisture ingress and for general lubrication.

- Insulates high voltage parts against leaking and arcing
- Waterproofs electronics in damp or humid conditions
- Meets military and aviation specifications: Def. Stan 68-69/1

MATERIALS COMPATIBILITY



1030998
31566-AA

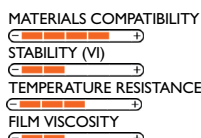


SEMI-SYNTHETIC OIL



Lubricating Oil FG (100 cSt) is a multi-functional, premium, lubricating oil, that has good anti-corrosion properties, excellent material compatibility, good foam control characteristics and high shear force stability.

NSF H1 REGISTERED:	143788
VISCOSITY @ 40°C:	100
TEMPERATURE RANGE:	-18 to +215
VISCOSITY INDEX:	105
FILL & CODE:	1031274 32105-AA



FULLY SYNTHETIC OILS

H1



A series of transparent, odourless, fully synthetic lubricating oils based on Poly Alpha Olefins (PAO) for use in the food & beverage sector. These oils have extremely stable operating characteristics with a wide temperature range, foaming suppression, friction/wear reduction, and moisture rejection. Passes DIN 51524/T2 standard. ISO 32 can be used as a compressor oil.



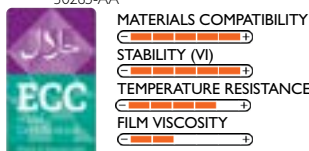
NSF H1 REGISTERED:
VISCOSITY @ 40°C:
TEMPERATURE STABILITY:
TEMPERATURE RANGE:
FILL & CODE:

HYDRAULIC OIL SUPER 32 FG

No.142717
 ISO 32
 Viscosity Index: 142
 -57°C to +238°C



1030516
 30265-AA

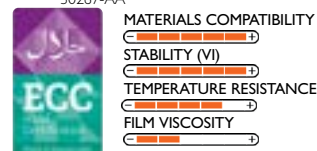


HYDRAULIC OIL SUPER 46 FG

No.142716
 ISO 46
 Viscosity Index: 145
 -57°C to +252°C



1030517
 30267-AA



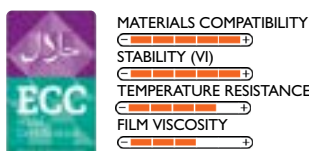
NSF H1 REGISTERED:
VISCOSITY @ 40°C:
TEMPERATURE STABILITY:
TEMPERATURE RANGE:
FILL & CODE:

GEAR OIL SUPER 150 FG

No.142715
 ISO 150
 Viscosity Index: 137
 -56°C to +256°C



1030519
 30272-AA

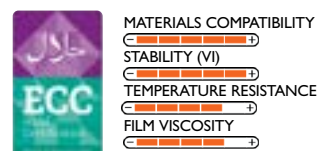


GEAR OIL SUPER 220 FG

No.142721
 ISO 220
 Viscosity Index: 140
 -51°C to +258°C



1030522
 30274-AA



CLEANERS

LUBRICANTS

METAL WORKING

ANTI-CORROSION

ADHESIVES / SEALANTS

POLYMER PROCESSING

HALAL CERTIFIED PRODUCTS

Certification Reference: AN001183



LUBRICANTS

3H

H1



**DIRECT
CONTACT FOOD
LUBE FG**

H1



**MOISTURE
REMOVER FG**

H1



**MACHINE
OIL FG**

H1



CHAIN LUBE FG

H1



SILICONE FG

H1



**PENETRATING
OIL FG**

GREASES

H1



FOOD GREASE FG

H1



AMBERGREASE FG1

H1



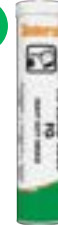
AMBERGREASE FG2

H1



AMBERGREASE FG3

H1



HI-LOAD LUBE FG

DRY LUBE

H1



DRY PTFE LUBE FG

SPECIALTY

H1



**SUGAR REMOVER
& INHIBITOR FG**

H1



BELT DRESSING FG

H1



ASSEMBLY PASTE FG

BULK OILS

3H

H1



3H OIL FG

H1



**LUBRICATING
OIL FG**

H1



**HYDRAULIC
OIL SUPER 32 FG**

H1



**HYDRAULIC
OIL SUPER 46 FG**

H1



**GEAR OIL
SUPER 150 FG**

H1



**GEAR OIL
SUPER 220 FG**

DOWNLOAD THE HALAL CERTIFICATE FROM WWW.AMBERSIL.COM

crcind.info/AMBHalal



HALAL CERTIFIED PRODUCTS

Certification Reference: AN001183



CLEANERS

LUBRICANTS

METAL WORKING

ANTI-CORROSION

ADHESIVES / SEALANTS

POLYMER PROCESSING

ANTI-CORROSION

H2



**BLUE MOULD
PROTECTIVE FG**

H2



**CLEAR MOULD
PROTECTIVE FG**

RELEASE AGENTS

M1



**SILICONE
RELEASE FG**

H1



**EJECTOR PIN
LUBRICANT FG**

M1



**NON-SILICONE
RELEASE FG**

SOLVENT DEGREASERS

K3



**LABEL & ADHESIVE
REMOVER FG**

K1



**SOLVENT
CLEANER FG**

A8



K1

**INDUSTRIAL
DEGREASER FG**

A8



C1



AMBERKLENE FG

K2



**CONTACT
CLEANER FG**

CLEANERS

A1



HYDROPOWER

A1



DEGREASER FG

A1



AMBERCLENS FG

A7



C1

**STAINLESS
STEEL
CLEANER FG**

P1



**UNIVERSAL
SCREEN
CLEANER FG**

K2



AIR DUSTER

PARTS CLEANERS

A1



OZZYJUICE: SW-3 / SW-4 / SW-6 / SW-X1

SPECIALTY

H2



TUFCUT

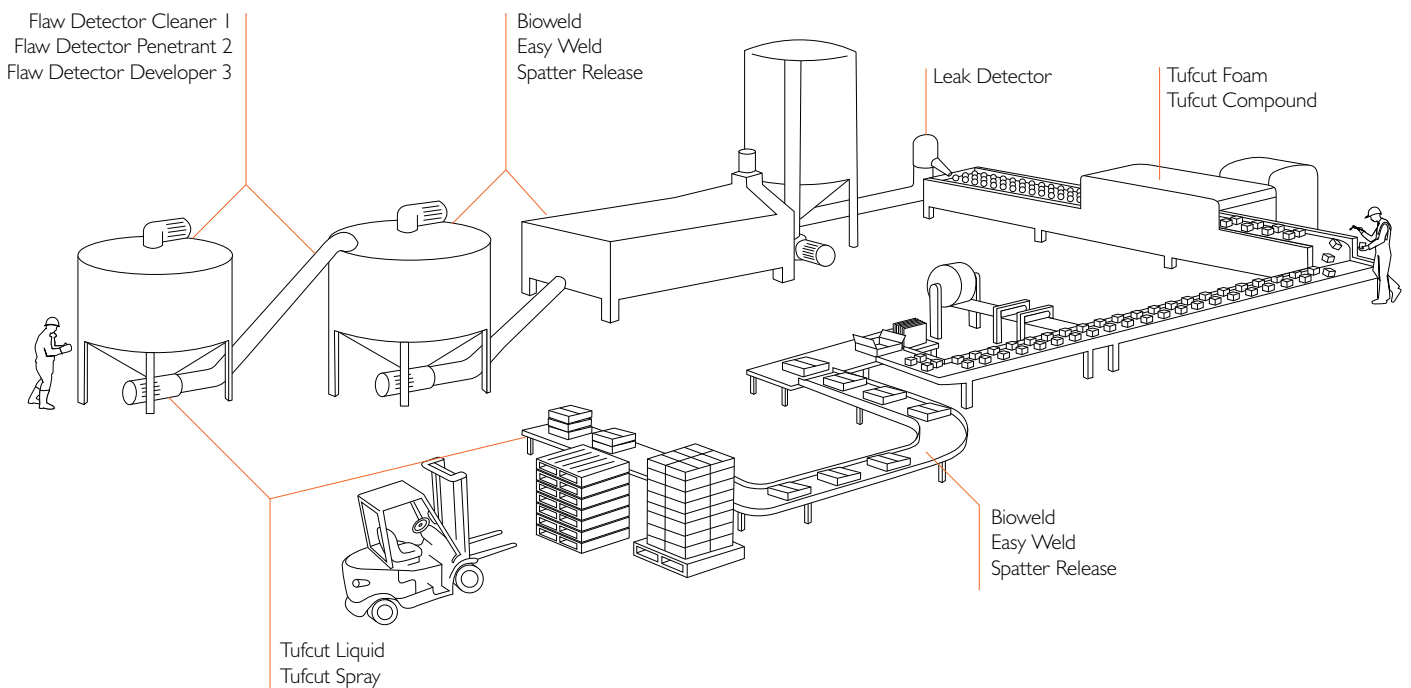
P1



**LEAK
DETECTOR**

METAL WORKING

Created for the most demanding metal working applications where 'right first time' results are required.



METAL WORKING SELECTION CHART

PRODUCT TYPE	APPLICATION REQUIREMENT	TYPE OF DUTY	RECOMMENDED PRODUCT	PAGE
METAL WORKING	CNC & Automated Equipment		TUFCUT AQUA	41
	High Carbon Steels & 'Tough' Metal		TUFCUT SPRAY	41
		Foaming	TUFCUT FOAM	41
		Traditional Liquid	TUFCUT LIQUID	41
	Titanium		TUFCUT FOAM	41
	Aluminium & 'Soft' Metals		TUFCUT SPRAY	41
		Foaming	TUFCUT FOAM	41
		Traditional Liquid	TUFCUT LIQUID	41
		Thick Paste	TUFCUT COMPOUND	41
	Composites (e.g. Carbon Fibre)		TUFCUT LIQUID	41
	Food Processing Safe®		TUFCUT SPRAY	41
WELDING	Anti-Spatter	Solvent-based	Traditional → SPATTER RELEASE	42
			Biodegradable → EASY WELD	42
		Water-based	→ BIOWELD	42
FLAW DETECTION	Dye Penetrant System		FLAW DETECTORS	43
	Leak Detection		LEAK DETECTOR	42

TUFCUT: LIQUID / SPRAY / FOAM / COMPOUND / AQUA

Tufcut is a range of specialist metal cutting lubricants based on a mixture of lubricants, extreme pressure additives, and anti-oxidants. The range has been formulated to offer instant, ready to use metal machining products that demonstrate exceptional performance in demanding applications.



TUFCUT LIQUID

Metal Cutting Lubricant

- Original Tufcut liquid
- Improves heat dissipation prevents chip welding
- Approved by Leonardo Helicopters for machining composite materials (LIS 6045)



TUFCUT SPRAY

Metal Cutting Lubricant

- The original Tufcut liquid, in an aerosol
- Allows heavier close tolerance cuts
- Improves heat dissipation and prevents chip welding
- NSF H2 Registered



TUFCUT FOAM

Foaming Metal Cutting Lubricant

- Proven Tufcut liquid in a foam that clings to vertical surfaces
- Ideal for maintenance of turbine blades
- Minimal smoking & fumes in use



TUFCUT COMPOUND

Metal Cutting Lubricant

- A traditional metal cutting paste that has all the performance of Tufcut liquid, in a paste
- Pleasant mild pine fragrance
- Ready to use straight from the tin



TUFCUT AQUA

Water Soluble, Semi-Synthetic Cutting Fluid

- A premium quality, multi-purpose cutting fluid for use in automated applications
- Transparent - allows operators to see work-piece
- Contains cleaning and degreasing surfactants



1031022 31580-AA 1031115 31723-AA



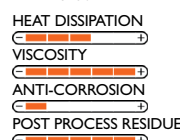
1031019 31579-AA



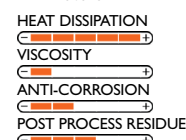
1031024 31582-AA



1031023 31581-AA



1030547 30313-AA





HEAT DISSIPATION
 VISCOSITY
 ANTI-CORROSION
 POST PROCESS RESIDUE

SPATTER RELEASE

NON-FLAMMABLE WELD ANTI-SPATTER

Traditional solvent-based spatter release for all welding applications.

- Prevents spatter adhesion to welding equipment, work pieces, surfaces, jigs, and surrounding areas
- Non-flammable
- Does not affect post-welding operations
- No silicone
- Anti-spatter film is easily wiped away



1031055
31620-AA



HEAT DISSIPATION
 VISCOSITY
 ANTI-CORROSION
 POST-PROCESS RESIDUE

BIOWELD

WATER-BASED WELD SPATTER RELEASE AGENT

A water-based spatter release agent which gives exceptional results without the use of harmful solvents, silicones or mineral oils.

- Odourless, Non-flammable and safe in use
- Fine spray pattern for excellent coverage
- Does not contain silicone or solvents
- Contains a highly effective flash-rust inhibitor
- Automotive approval: Ford Tox No.: 163241



1031057
31621-AA

1031117
31727-AA

1031116
31726-AA

1031118
31728-AA



HEAT DISSIPATION
 VISCOSITY
 ANTI-CORROSION
 POST-PROCESS RESIDUE

EASY WELD

BIODEGRADABLE ANTI-SPATTER

Easy Weld provides a quick, easy way to prevent the adherence of spatter to metal surfaces and eliminates the requirement for chiseling, grinding or extensive wire brushing after welding.

- Non-silicone heat resistant barrier
- Easy removal of spatter
- Economical in use due to thin film performance
- Based on biodegradable oil
- Keeps treated nozzles and equipment clear from spatter build-up



1030528
30287-AA



MATERIALS COMPATIBILITY
 EASE OF USE
 FLAMMABILITY
 POST-PROCESS RESIDUE

LEAK DETECTOR

WATER-BASED GAS LEAK DETECTOR

Highly visible and easy to use gas leak detector for pipe and joints. Ideal for HVAC installations.

- Water-based formulation with no oils, silicone, solvents and no 'run-off' hazards
- Non-flammable and odourless
- Oxygen system safe
- Meets BS EN 14291:2004, and can be used for VOSA MOT testing



1031075
31633-AA





FLAW DETECTOR: CLEANER 1



SOLVENT CLEANER FOR PREPARATION

A fast-drying cleaner for the removal of all kinds of contaminants on the surface to be inspected. Serves as a preparation of the surface before inspection with dye penetrant.

- Rapid dry, solvent cleaner
- Leave surfaces clean & dry
- Removes contamination including; metal working fluid, anti-corrosion coatings, oil & grime

MATERIALS COMPATIBILITY



1030529
30288-AA



FLAW DETECTOR: PENETRANT 2



DYE PENETRANT FOR FLAW IDENTIFICATION

Red coloured, water washable penetrant for non-destructive testing of metal surfaces. The penetrant wicks into tiny flaws within 10 minutes. Excess penetrant should be removed before using the developer.

- Highly visible red dye
- Wicks in to defects down to 20µm
- Very easy to use & cost effective

MATERIALS COMPATIBILITY



1030530
30289-AA



FLAW DETECTOR: DEVELOPER 3



HIGH CONTRAST POWDER DEVELOPER

Enhances and makes each trace of Penetrant visible once applied and left for at least 7 minutes. Post cleaning of the inspected area can be done with the Cleaner.

- High contrast and easy to use
- Identifies defects as small as 20µm
- Easily removed with the 'cleaner'

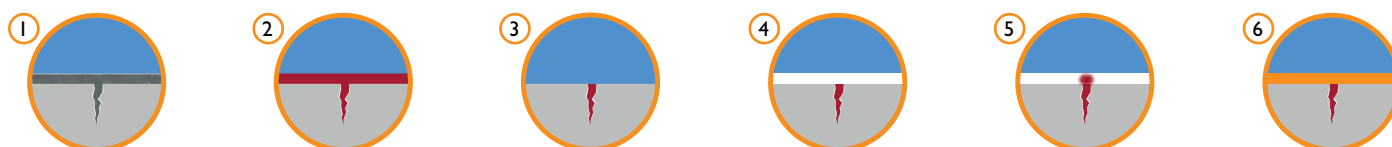
MATERIALS COMPATIBILITY



1030532
30290-AA



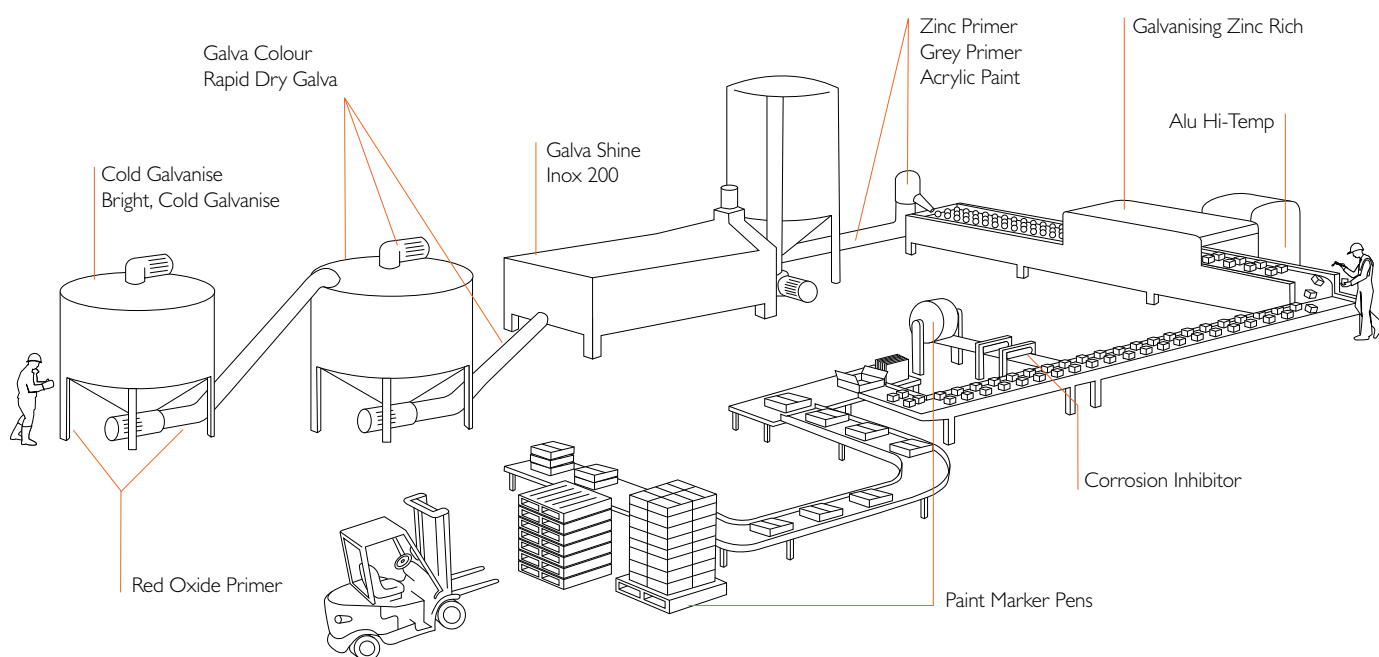
HOW TO USE THE FLAW DETECTOR RANGE



1. The area to be checked must be thoroughly cleaned. Liberally apply Flaw Detector Cleaner, allow to dry.
2. Spray a light, even film of penetrant on surface. Allow to penetrate for 10 to 20 minutes.
3. Wipe excess Penetrant off with a lint-free cloth dampened with Flaw Detector Cleaner. Allow cleaner to evaporate.
4. Shake the can of Developer thoroughly prior to use. Apply a light, homogeneous coating from a distance of about 20cm. Avoid any excess as it may mask the finest flaws. Allow to develop for at least 7 minutes.
5. Defects appear as red spots or lines on a white background. The speed of appearance, the shape and dimensions can give information on the nature of the defects. Clean the test area with Flaw Detector Cleaner.
6. If necessary, apply an anti-corrosion product, such as: Ambersil Corrosion Inhibitor.

ANTI-CORROSION & PAINTS

Superior coatings for metal that prevent corrosion and allow aesthetic repair of damaged surfaces.



ANTI-CORROSION & PAINTS SELECTION CHART

PRODUCT TYPE	APPLICATION REQUIREMENT	TYPE OF DUTY	RECOMMENDED PRODUCT	PAGE
ANTI-CORROSION	Maximum Protection	Cathodic	→ COLD GALVANISE	46
		Weathers Naturally	→ BRIGHT, COLD GALVANISE	46
		Fast-drying	→ RAPID DRY GALVA	46
		Stainless Steel	→ INOX 200	48
	Paint	Direct To Rust	→ GALVA COLOUR	49
		Aesthetic Repair	→ ACRYLIC PAINT	45
		Long-Lasting Shine/Alu Alloy	→ GALVA SHINE	47
		High Temperature	→ ALU-HI TEMP	47
		Primer	→ ZINC PRIMER	48
		Paint	→ GREY PRIMER	45
			→ RED OXIDE PRIMER	45
		Very Rapid Drying	→ GALVANISING ZINC RICH	46
	Indoors/Covered	Waxy Coating (Long-Term)	→ CORROSION INHIBITOR	47
		Oil Film (Short-Term)	→ 40+	28
		Oil Film (Medium-Term)	→ PX24	28
		Battery Terminals	→ BATTERY TERMINAL PROTECTOR	47
PAINT MARKER PENS	Multi-surface		→ MARKER PENS	49



ACRYLIC PAINT

COLOUR MATCHED PROTECTIVE COATINGS

Vibrant acrylic paint for the repair and touch-up of painted surfaces.

- RAL matched for accurate colour matches
- Fast-drying: touch dry in <5 minutes
- Once cured (24-hours) the paints have a high UV resistance
- Excellent flexibility and hardness
- Excellent adhesion to all surface types



DRIED FILM HARDNESS
LONGEVITY
PROTECTION
FLEXIBILITY

COLOUR	RAL	CODE	LEGACY	COLOUR	RAL	CODE	LEGACY
Matt Black	9011	1030265	20180-AA	Bright Red	3002	1030270	20184-AA
Matt White	9010	1030266	20181-AA	Blue	5015	1030272	20185-AA
Gloss Black	9005	1030267	20182-AA	Battleship Grey	7032	1030274	20186-AA
Gloss White	9016	1030269	20183-AA	Green	6002	1030276	20187-AA
Satin Black	9005	1031252	32060-AA	Bright Yellow	1018	1030277	20188-AA
Rittal Grey	7035	1030283	20195-AA	Chrome Silver		1030280	20190-AA
Ford Blue	5010	1030348	20555-AA	Grey Primer		1030279	20189-AA
JCB Yellow	1007	1030350	20556-AA	Red Oxide Primer		1031429	32379-AA
Massey Fergusson Red	3000	1030352	20557-AA	Colour squares are representative only			
John Deere Green	6001	1030353	20558-AA				
Belle Orange	2004	1030355	20559-AA				





COLD GALVANISE

ZINC RICH PROTECTIVE COATING

Provides cathodic protection to ferrous metals. Ideal for pipes, housings, structural metal, and as a primer. Particularly suited for protecting drilled or abraded surfaces.

- Sacrificial coating protects ferrous metal from corrosion
- For use on bare, clean, non-rusted steel and seams
- Suitable for use as a renovation media: BS EN ISO 1461:1999
- >99% pure zinc at 88% concentration in the cured film for the optimal balance between protection and adhesion



1030534
30291-AA



BRIGHT, COLD GALVANISE

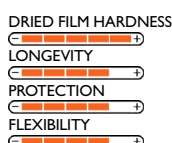
REPAIR FOR HOT-DIP GALVANISED STEEL

Aesthetic anti-corrosion paint for freshly galvanised steel – weathers at the same rate for 'invisible' repairs.

- A barrier coating that protects ferrous metals from corrosion
- For use on bare, clean, non-rusted steel and seams
- Long-lasting corrosion protection
- Suitable as a top-coat for Cold Galvanise



1030536
30292-AA



RAPID DRY GALVA

VERY FAST-DRYING PROTECTIVE COATING

Exceptionally fast-drying anti-corrosion paint that matches the finish of recently hot-dip galvanised steel. With an optimal blend of adhesive resin binders, opacity enhancers, metallic pigments and zinc phosphate; 'Rapid Dry Galva' delivers long-lasting corrosion prevention to cut, drilled, and damaged galvanised steel.

- Rapid drying time: touch dry in 2 mins/hard dry in 20 mins at 20°C
- Excellent colour-match for recently/shiny hot-dip galvanised steel
- Effective protection against corrosion (tested to ASTM B117)
- Excellent substrate adhesion & flexibility (tested to ISO 2409:0)



1032626
33280-AA



GALVANISING ZINC RICH

HIGH TEMPERATURE, RAPID DRYING PAINT

Use on metals subjected to intermittent high temperatures such as foundry lifting shackles, gantry arms and cranes.

- Touch dry in 15 minutes, complete cure in 24-hours
- Leaves a hammered semi-gloss finish
- The cured film can be welded through (except argon)
- Temperature range: -50°C to +550°C
- Use Amberklene FE10 fast-drying solvent degreaser as the ideal surface preparation for best results



1030542
30300-AA





GALVA SHINE

AESTHETIC PROTECTIVE COATING

Offers an exact colour match to architectural hybrid zinc alloy galvanised structures.

- Resists weathering, retains a super bright finish
- Adheres strongly to metal offering a long-term barrier protective coating
- Superior spray pattern ensures a blemish free, smooth finish
- Use Amberklene FE10 fast-drying solvent degreaser as the ideal surface preparation for best results

DRIED FILM HARDNESS



1030537
30293-AA



CORROSION INHIBITOR

WAXY ANTI-CORROSION TREATMENT

Use on ferrous metals as a long-term protective coating for stored equipment, or as a transportation film for trans-global component shipping.

- Film will not harden or crack
- Forms a 'self-repairing' waxy film
- Meets MIL-PRF-16173E
- Can be used as an anti-seize/anti-rust treatment for fasteners
- Will not stain or mark components

DRIED FILM HARDNESS



1031064
31628-AA

1031104
31709-AA

1031105
31710-AA



BATTERY TERMINAL PROTECTOR

ANTI-CORROSION TERMINAL TREATMENT

Protects battery terminals on forklift trucks and generators from wear and corrosion and seals out moisture.

- Protective grease prevents wear to terminals through clip movement
- Highly visible dye gives an early indication of acid leakage by changing from pale yellow to red
- Viscous consistency prevents over application
- Excellent materials compatibility
- Operational temperature range: -10°C to +50°C

DRIED FILM HARDNESS



1031054
31618-AC



ALU HI-TEMP

HIGH TEMPERATURE CORROSION PROTECTION

Use on furnace doors, boiler casings, drying ovens, foundry manipulators and equipment subjected to continuous high temperatures; chimneys, flues and exhausts.

- Protects to +600°C
- Lead and Chromate free
- Cures to a highly durable coating
- Effective barrier against corrosion

DRIED FILM HARDNESS



1030538
30296-AA



CLEANERS

LUBRICANTS

METAL WORKING

ANTI-CORROSION

ADHESIVES / SEALANTS

POLYMER PROCESSING



INOX 200



PROTECTIVE COATING FOR STAINLESS STEEL

Use on glass-pearl-blasted stainless steel as a touch-up paint.

- Touch dry in 10 minutes, complete cure 30 minutes
- Heat resistant up to +300°C
- Flexible yet hard dry film
- Contains chromium: the active corrosion inhibitor in stainless steel



DRIED FILM HARDNESS



1030541
30299-AA



ZINC PRIMER



MULTI-PURPOSE METAL PRIMER

Zinc phosphate primer promotes adhesion of top-coat paint to 'difficult' substrates.

- Touch dry in 30 minutes
- Dry to over-coat in 1 hour (recommended 24-hour cure prior to over-painting)
- Best results achieved when the surface has been cleaned with Ambersil FE10 prior to application



DRIED FILM HARDNESS



1040482
30298-AA



ACRYLIC CONFORMAL COATING



PROTECTION FOR PCB'S

Apply to populated PCB's and electronics to seal out moisture and dust for long-term protection.

- Transparent insulating conformal coating
- Wets out to form a homogeneous film with uniform thickness
- Cured lacquer is flexible, will not crack or chip and can be soldered through



DRIED FILM HARDNESS



1030484
30235-AA



SV100



ANTI-TRACKING INSULATING VARNISH

Specifically developed to protect electric motors.

- Insulates and protects all types of electrical systems against high humidity
- Highly visible red varnish
- Dries rapidly: touch dry in 15 minutes, handling time in 40 minutes, and full cure within 48 hours
- When cured, the film conforms to BS 5629 type I.1



DRIED FILM HARDNESS



1031160
31892-AA



MARKER PENS

ACRYLIC PAINT MARKER PENS

Can be used for metal working/fabrication, electrical installations, civil engineering, steel stock identification, batch number marking and more.

- Tenacious resin binds paint to the surface, effectively eliminating the problems associated with accidental rub off and abrasion
- Can write through water/moisture and will not wash off with water or rain
- Fast-drying



COLOUR	CODE	LEGACY	COLOUR	CODE	LEGACY
	White	1030328 20394-AA		Red	1030323 20387-AA
	Green	1030315 20379-AA		Orange	1030319 20383-AA
	Yellow	1030334 20399-AA		Black	1030304 20364-AA
	Blue	1030310 20368-AA			



Colour squares are representative only



GALVA COLOUR







2-IN-1 PRIMER AND COLOUR TOP COAT

Use on surfaces which have surface rust, old paint or otherwise 'imperfect' finish.

- Reduces time spent priming and painting the top-coat: do it in one application
- RAL colours for accurate colour matches
- Free from lead, chromate and toluene
- Ideal for external pipe-line identification, railings, security fences, and storage tanks
- Excellent coverage: up to 3m² from one 500ml can



DRIED FILM HARDNESS	
LONGEVITY	
PROTECTION	
FLEXIBILITY	

COLOUR	RAL	CODE	LEGACY
	Yellow	1004	1030387 20673-AA
	Red	3000	1030389 20674-AA
	Blue	5012	1030392 20676-AA
	Black	9005	1030394 20679-AA
	Silver	9006	1030396 20680-AA
	White	9010	1030399 20681-AA



Colour squares are representative only



CLEANERS

LUBRICANTS

METAL WORKING



VIDEO



DEMO



PRODUCT NAME	CODE	LEGACY
Evapo-Rust ready to use 1L	1040357	33399-AA
Evapo-Rust ready to use 5L	1032768	33400-AA
Evapo-Rust ready to use 20L	1040700	33401-AA
Evapo-Rust ready to use 200L	1040701	33407-AA
Evapo-Rust ready to use 900L	1040702	33408-AA

ADHESIVES & SEALANTS

Essential bonding, adhesion, and gasketing products for industrial maintenance.







5024A SILICONE ADHESIVE SEALANT



HIGH MODULUS, ACETOXY CURE SILICONE SEALANT

A ready to use one part silicone sealant suitable for use as a general-purpose sealing and bonding agent. Ideal for making formed-in-place gaskets.

- Offers excellent adhesion to a wide variety of non-porous substrates such as glass, glazed ceramics, aluminium and metal
- Conforms to ISO 11600
- High modulus & non-slump
- Temperature resistance: -60°C to +204°C

COLOUR	CODE	LEGACY	
	White	I030765	30730-AA
	Clear	I031128	31753-AA
	Black	I030766	30732-AA
	Silver Grey	I040551	33406-AA



Colour squares are representative only



STRENGTH OF BOND
CURE TIME
TEMPERATURE RANGE
MODULUS

5005A SILICONE ADHESIVE SEALANT



HIGH MODULUS, ACETOXY CURE SEALANT

A ready to use one-part RTV silicone sealant suitable for use as a general-purpose sealing and bonding agent. Ideal for making formed-in-place gaskets.

- Excellent adhesion to a wide variety of non-porous substrates
- Maximum temperature resistance: +204°C
- Portable 75ml squeeze tube with cap
- Conforms to ISO 11600
- High modulus & non-slump



STRENGTH OF BOND
CURE TIME
TEMP. RESISTANCE
MODULUS



I031079
31644-AB





ADHESIVE HS 300



HIGH STRENGTH ADHESIVE

Use where a high strength adhesive is required e.g. warning and information signs.

- Tack time less than 10 minutes
- Free from chlorinated solvents for improved user safety
- Shear strength: >375 N per inch (25 mm²)
- Big value 500ml fill size

STRENGTH OF BOND

CURE TIME

TEMP. RESISTANCE

CHLORINATED SOLVENTS



1031061
31625-AA



ADHESIVE MP 100



MULTI-PURPOSE ADHESIVE

Ideal for bonding almost anything to most hard surfaces including wood and metal.

- Tack time approximately 30 seconds
- Permanent bonds
- Our best selling adhesive
- Big value 500ml fill size

STRENGTH OF BOND

CURE TIME

TEMP. RESISTANCE

CHLORINATED SOLVENTS



1031060
31624-AA



ADHESIVE NC 500



NON-CHLORINATED ADHESIVE

Use where a non-chlorinated multi-purpose adhesive is required.

- Tack time approximately 2 to 4 minutes
- Free from chlorinated solvents for improved user safety
- Variable spray pattern
- Big value 500ml fill size

STRENGTH OF BOND

CURE TIME

TEMP. RESISTANCE

CHLORINATED SOLVENTS



1031059
31623-AA



ADHESIVE QS 900



QUICK STICK ADHESIVE

Especially useful where instant grab is required to avoid slippage.

- Tack time approximately 30 seconds
- Free from chlorinated solvents for improved user safety
- Instant grab and hold
- Big value 500ml fill size

STRENGTH OF BOND

CURE TIME

TEMP. RESISTANCE

CHLORINATED SOLVENTS



1031062
31626-AA



CLEANERS

LUBRICANTS

METAL WORKING

ANTI-CORROSION

ADHESIVES / SEALANTS

POLYMER PROCESSING

POLYMER PROCESSING

Release agents, protectives, cleaners and compounds for all types of plastics, rubbers, and composites moulding operations.



	RELEASE TYPE	PROCESSING APPLICATION	FORMED FILM	ACTIVE LEVEL	PAINTABLE	TRANSFER	MAX. TEMP.
DP 200	Aircure Silicone Release	Multi	Dry	V. High	Yes	No	200
FORMULA 1	Silicone	Multi	Oily	High	No	Yes	200
FORMULA 1 H/T	Silicone	Extrusion	Oily	High	No	Yes	300
FORMULA 2	Silicone	Rubber	Oily	Medium	No	Yes	200
FORMULA 4	Edible Veg Oil	Multi	Oily	Medium	Yes	Yes	200
FORMULA 5	Wax	Multi	Dry	Low	Yes	Yes	150
FORMULA 6	Silicone	Multi	Oily	Medium	No	Yes	200
FORMULA 7	Glycol	Multi	Wet	High	Yes	Yes	170
FORMULA 8	Silicone	Multi	Light Oily	Low	No	Yes	200
FORMULA 10	Fluoro Chemical	Thermoset	Dry	Low	Yes	Yes	180
FORMULA 11	Oil	Multi	Dry	V. Low	Yes	Minimal	150
FORMULA 12	Semi Permanent	Multi	Dry	V. Low	Yes	No	250
FORMULA 14	Non-Silicone	Thermoplastics	Oily	High	Yes	Yes	200
FORMULA 20	Hybrid Silicone	Multi	Waxy	Medium	Yes	Minimal	150
PUR 400	Silicone Resin	PU	Oily	Medium	No	Yes	200

POLYMER PROCESSING SELECTION CHART

PRODUCT TYPE	APPLICATION REQUIREMENT	CHARACTERISTICS	RECOMMENDED PRODUCT	PAGE		
SILICONE	Nylon, PP, PE	Heavy-duty	FORMULA 1	54		
	Synthetic Fibres: Nylon	High Temp / Heavy-duty	FORMULA 1 HT	54		
	PU	High Gloss	PUR 400	55		
	Thermoplastics & Rubber	Medium Duty	FORMULA 6	54		
	Non-transfer	Semi-Permanent Dry Film	DP 200	58		
	ABS, PE, PP, PVC, PA, PU	Paintable/Post-Process OK	FORMULA 20	55		
	Plastics & Rubber	General-purpose	HD-SIL RELEASE	55		
	Rubber & Natural Polymers	Medium Duty	FORMULA 2	54		
	Plastics & Rubber	Light Duty	FORMULA 8	54		
NON - SILICONE	Thermoplastics	Heavy-duty	FORMULA 7	56		
	Thermoset, PU, Epoxy, PE	Dry Film	FORMULA 10	56		
	PVC, PU & Flexible Polymers	Wet Film	FORMULA 4	56		
	Electronic 'Grade' Polymers	Minimal Transfer	FORMULA 11	57		
	LDPE, HDPE, PP, PVC, PS, POM, PA	Multiple Releases	FORMULA 14	57		
	Thermoplastics	General-purpose	NO-SIL RELEASE	58		
	Fine Details Thermoplastics	Medium Duty, Dry Film	FORMULA 5	56		
	Synthetic Rubbers, PP, PE	Semi-Permanent	FORMULA 12	57		
	GRP, Epoxy, PE, Rotational	Semi-Permanent	RELEASE 100	58		
SPECIALIST	General-purpose	Water-based	Silicone	MPR 100	58	
	Rotational Moulding	Water-based	Semi-Permanent	ROM 300	59	
	GRP, High Gloss	Wax		COM 300	59	
	Composites (inc: Boron, Amide, & Carbon)	Semi-Permanent		RELEASE 100	58	
	Semi-Rigid & Integrated Skin PU	Solvent-based	Wax & Silicone	PUR 101	59	
	Rigid Insulation & Semi-Rigid PU	Solvent-based	Allows Post-Process Painting	PUR 300	59	
	High Gloss Elastomeric PU	Solvent-based	Wax & Silicone	PUR 400	55	
	Ejector Pin Lubricant			EJECTOR PIN LUBRICANT FG	60	
FOOD & BEVERAGE PACKAGING	Mould / Packaging Release (Food Contact)	Silicone		SILICONE RELEASE FG	55	
		Non-Silicone		NON-SILICONE RELEASE FG	57	
	Mould Tool Protection	Visible	Blue		BLUE MOULD PROTECTIVE FG	60
				Clear		CLEAR MOULD PROTECTIVE
	Mould / Tool & General Cleaner	Solvent			SOLVENT CLEANER FG	62
ANTI-CORROSION	Short-Term Protection	Oily		MOULD PROTECTIVE	60	
	Longer-Term Protection	Visible		GREEN MOULD PROTECTIVE	60	
				TOOL GUARD	61	
			Clear		CLEAR MOULD PROTECTIVE	61
CLEANING	Mould & Form Solvent Cleaner			MOULD CLEANER	61	
				MOULD SOLV	62	
		Heavy-duty		POLYMER REMOVER	61	
		Specialist		POLYESTER MOULD CLEANER	62	

CLEANERS

LUBRICANTS

METAL WORKING

ANTI-CORROSION

ADHESIVES / SEALANTS

POLYMER PROCESSING



RELEASE LEVEL	<div><div></div></div>
TEMP. RESISTANCE	<div><div></div></div>
NUMBER OF RELEASES	<div><div></div></div>
APPLIED FILM TRANSFER	<div><div></div></div>

FORMULA 6

MEDIUM DUTY SILICONE RELEASE AGENT

A general-purpose release agent for all thermoplastics and many types of rubber. It is highly versatile as a release agent, ensuring accurate mould detail and improving surface finish without building up in the mould.

- Improves surface finish, minimises imperfections, and enhances even well polished tool release properties
- Operational to +200°C
- Can also be used as an anti-stick agent in the textile, foam converting, printing, and shoe industries



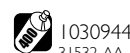
RELEASE LEVEL	<div><div></div></div>
TEMP. RESISTANCE	<div><div></div></div>
NUMBER OF RELEASES	<div><div></div></div>
APPLIED FILM TRANSFER	<div><div></div></div>

FORMULA 1

HEAVY-DUTY SILICONE RELEASE AGENTS

Heavy-duty, high silicone concentration, mould release agent available as either a 'regular' or 'high temperature' version.

- Operational temperature up to +200°C for regular version
- Automotive approved: Ford Tox No.: 168735
- Formula 1 HT is a highly effective spinneret lubricant for use in the manufacture of synthetic fibres
- "HT" Version: +200°C continuous, +300°C intermittent



RELEASE LEVEL	<div><div></div></div>
TEMP. RESISTANCE	<div><div></div></div>
NUMBER OF RELEASES	<div><div></div></div>
APPLIED FILM TRANSFER	<div><div></div></div>

FORMULA 2

SILICONE RELEASE AGENT FOR RUBBER

A medium duty, silicone-based release agent formulated to release natural rubber and polymers with lower melt temperatures.

- A wet silicone film for the release of moulded rubber parts
- Provides an improved surface finish and will not build up in the mould
- Operational to +200°C
- Particularly effective for use in the tyre industry
- A versatile release agent



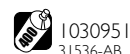
RELEASE LEVEL	<div><div></div></div>
TEMP. RESISTANCE	<div><div></div></div>
NUMBER OF RELEASES	<div><div></div></div>
APPLIED FILM TRANSFER	<div><div></div></div>

FORMULA 8

LIGHT DUTY, SILICONE MOULD RELEASE AGENT

Light duty, silicone mould release agent that provides a highly effective release for plastic and rubber moulding.

- Especially suitable for fine detail and precision mouldings
- Use for injection moulding, compression moulding, and vacuum forming processes
- Suitable for wax pattern release in investment casting



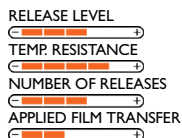


FORMULA 20

PAINTABLE SILICONE RELEASE AGENT

Specialist mould release agent based on a unique active material that allows post-moulding operations e.g. coating, painting, plating, and adhesion.

- No oily film - reduces the requirement to clean
- Effective on a wide variety of materials including: ABS, Polyethylene, Polypropylene, PVC, Polyamides, and Polyurethanes
- Removes the need to wax wash drying investment casting



1030483
30227-AA



CLEANERS

LUBRICANTS

METAL WORKING

ANTI-CORROSION

ADHESIVES / SEALANTS

POLYMER PROCESSING

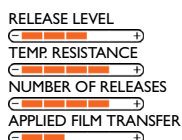


SILICONE RELEASE FG

FOOD GRADE SILICONE RELEASE AGENT

A high purity silicone release agent for packaging and moulding operations within the food/beverage sector.

- NSF registered M1
- Suitable for use as a mould release agent (NSF M1) and packaging machine anti-stick oil (NSF H1) where the finished article will have direct to food contact
- Maximum Operational temperature : +200°C
- Totally clean, clear, and non-staining 'wet' film



1031458
32454-AA

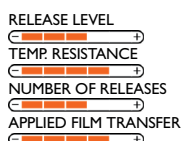


HD-SIL RELEASE

GENERAL-PURPOSE SILICONE MOULD RELEASE

A wet film, general-purpose silicone release agent with excellent anti-stick and slip properties. Particularly suited to injection moulding.

- A clean, colourless, odourless release agent
- Leaves an oily, heavy-duty silicone film for multiple releases
- Operational to +200°C
- Excellent materials compatibility



1031422
32353-AA

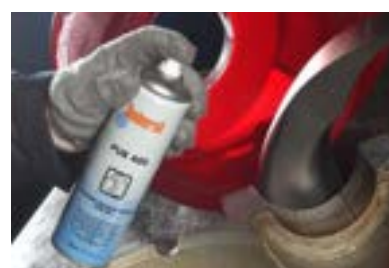
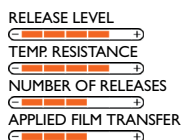


PUR 400

SILICONE RELEASE AGENT FOR PU

A silicone release agent that has been specifically formulated to provide a fine release film for use with integral skin and elastomeric polyurethanes.

- High quality, high gloss, even finish
- Fine spray pattern for excellent coverage
- Low odour
- No build up on mould surface - suitable for use on low temperature mouldings
- Operational to +200°C



1030952
31537-AA

1031127
31751-AA





RELEASE LEVEL
 TEMP. RESISTANCE
 NUMBER OF RELEASES
 APPLIED FILM TRANSFER

FORMULA 5

MEDIUM DUTY, NON-SILICONE RELEASE AGENT

A medium duty, dry film, non-silicone mould release agent that provides an excellent release for all types of thermoplastics, some thermosetting plastics, silicone rubber, and most other rubber types.

- Will not interfere with post moulding treatments such as painting, printing, bonding, or plating
- Does not build up in the mould
- Operational to +150°C
- Automotive approval: Ford Tox No: 174011



1030956
31540-AA



RELEASE LEVEL
 TEMP. RESISTANCE
 NUMBER OF RELEASES
 APPLIED FILM TRANSFER

FORMULA 4

NON-SILICONE RELEASE AGENT FOR PVC

Excellent release for PVC, Polyurethane elastomers, and other flexible polymers. Ideal for the release of moulded shoe soles.

- A wet film mould release that imparts a gloss finish to moulded parts
- Will not interfere with post moulding operations
- Does not build up in the mould
- Operational temperature to +200°C
- Passes crib source 5, Furniture & Furnishings (Fire Safety) Regulations 1988



1030972
31548-AB



RELEASE LEVEL
 TEMP. RESISTANCE
 NUMBER OF RELEASES
 APPLIED FILM TRANSFER

FORMULA 7

HEAVY-DUTY, NON-SILICONE RELEASE AGENT

A wet film, non-silicone release agent that provides excellent release on a wide range of thermoplastics and rubbers.

- Will not interfere with post-moulding operations such as painting, bonding, plating, or printing
- Does not build up in the mould
- Operational temperature up to +170°C



1030954
31539-AA

1031091
31681-AA



RELEASE LEVEL
 TEMP. RESISTANCE
 NUMBER OF RELEASES
 APPLIED FILM TRANSFER

FORMULA 10

DRY FILM, NON-SILICONE RELEASE AGENT

Highly effective release agent for thermosetting plastics. Provides excellent release properties on polyurethanes, epoxy resins, and polyesters.

- Will not interfere with post-moulding operations such as painting, bonding, plating, or printing
- Release agent does not build up in the mould
- Operational temperature to +180°C
- Utilises fluorinated resins as the active release component



1030959
31541-AA





FORMULA 11

MINIMAL TRANSFER NON-SILICONE RELEASE AGENT

Suitable for 'electronic' grade polymer types. A non-silicone release agent with an ultra-thin, dry film, ideal for use with polymers such as Polycarbonate, ABS and HIPS (high impact styrene).

- Will not interfere with post moulding treatments such as painting, printing, bonding, or plating.
- Operational temperature to +150°C

RELEASE LEVEL
 TEMP. RESISTANCE
 NUMBER OF RELEASES
 APPLIED FILM TRANSFER



1030963
31542-AB



CLEANERS

LUBRICANTS

METAL WORKING

ANTI-CORROSION

ADHESIVES / SEALANTS

POLYMER PROCESSING



NON-SILICONE RELEASE FG

FOOD GRADE NON-SILICONE RELEASE AGENT

A non-silicone release agent with NSF registration for use in the food/beverage industry as a packaging release.

- NSF M1 registered
- Use on food packaging which is intended for direct food contact such as plastic containers and bottles
- Will not interfere with post moulding operations such as bonding and labelling
- Operational temperature to +170°C

RELEASE LEVEL
 TEMP. RESISTANCE
 NUMBER OF RELEASES
 APPLIED FILM TRANSFER



1031452
32446-AA



FORMULA 12

SEMI-PERMANENT NON-SILICONE RELEASE

Non-silicone release agent formulated to release a wide variety of synthetic rubbers and many thermoplastics such as polypropylene & polyethylene.

- Forms a thin, inert and thermally stable coating from which multiple releases can be expected
- Fast cure time
- Moulding can commence 5-10 minutes after application
- Operational temperature to +250°C

RELEASE LEVEL
 TEMP. RESISTANCE
 NUMBER OF RELEASES
 APPLIED FILM TRANSFER



1030964
31544-AB



FORMULA 14

NON-SILICONE RELEASE AGENT

Non-silicone release agent specifically developed for the release of thermoplastics: LDPE, HDPE, PP, PVC, PS, POM, PA.

- Excellent release properties in a durable film
- Operational temperature up to +200°C
- Multiple releases per application can be achieved giving improved economy in use

RELEASE LEVEL
 TEMP. RESISTANCE
 NUMBER OF RELEASES
 APPLIED FILM TRANSFER



1030482
30226-AA





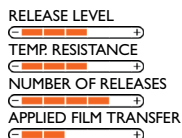
NO-SIL RELEASE



GENERAL-PURPOSE NON-SILICONE RELEASE AGENT

Provides a wet, heavy-duty film for the release of plastic and rubber parts.

- Allows decorative treatment of the moulded part (e.g. Painting)
- For use in injection moulding, vacuum forming and many other forming processes
- Operational temperature to +170°C



1031182
31971-AC



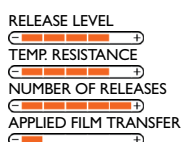
RELEASE 100



SOLVENT-BASED SEMI-PERMANENT RELEASE

Specifically formulated to give multiple releases of a wide range of fibre reinforced polymers (including epoxy).

- Low odour and easy to apply
- Fast room temperature cure for maximum productivity
- High gloss & high slip
- Non-transferring film will not interfere with post moulding operations such as bonding, plating, coating, or labelling
- Highly versatile for use in many moulding operations



1031123
31746-AA



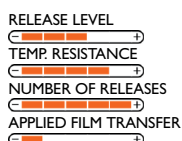
DP 200



SEMI-PERMANENT SILICONE RELEASE AGENT

A silicone resin based, air-curing, highly durable, dry film, semi-permanent release coating.

- Formulated for moulding processes where the use of 'free silicone' can cause stress cracking
- Suitable for use in rotational moulding operations
- Operational temperature to +200°C
- Rolls Royce Approved: 116061



1030953
31538-AA



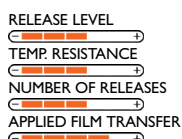
MPR 100



READY TO USE WATER-BASED SILICONE EMULSION RELEASE AGENT

Releases many types of plastic and rubber, especially PVC and rubber profile extrusions.

- Effective release of concrete/stone castings
- Operational temperature up to +150°C
- Economical in use and environmentally 'friendly'



1031120
31734-AA



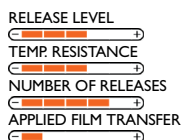
COM 300



GENERAL-PURPOSE WAX RELEASE AGENT

A general-purpose liquid wax release agent effective on the following moulds: gel coated, non-gel coated, MDF, plaster, timber and aluminium.

- Simple and easy to apply liquid that can be buffed to a high gloss finish
- Multiple release of moulded components before re-coating is required



1031119
31731-AA



CLEANERS

LUBRICANTS

METAL WORKING

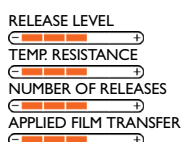
PUR 101



RELEASE AGENT FOR SEMI-RIGID AND INTEGRAL SKIN POLYURETHANES

PUR 101 is a specialised mould release agent based upon a mixture of waxes and non-curing silicone resins in a blend of fast evaporating solvents.

- Formulated for moulding of polyurethanes, the product has proved particularly effective in automotive applications
- Minimal build up and transfer



1031124
31747-AA



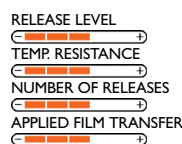
PUR 300



MOULD RELEASE AGENT FOR RIGID AND SEMI-RIGID POLYURETHANES

Specifically formulated to facilitate the release of high-density rigid polyurethanes and refrigeration/insulation foams.

- Does not interfere with post moulding operations, allowing bonding, plating, painting, and labelling
- Reduced post moulding costs (no degreasing required)



1031125
31749-AA

1031126
31750-AA



ANTI-CORROSION

ADHESIVES / SEALANTS

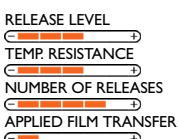
ROM 300



WATER-BASED, SEMI-PERMANENT ROTATIONAL MOULDING RELEASE AGENT

Specially formulated water-based release agent for use in rotational moulding operations.

- Fast curing with a lower mould residue build-up
- Non-flammable
- Reduced environmental impact, safer in use



1031121
31739-AA



POLYMER PROCESSING



EJECTOR PIN LUBRICANT FG



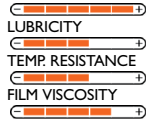
MOULD TOOL LUBRICANT

A heavy-duty, viscous lubricant for ejector pins and other close tolerance mould tool parts.

- NSF H1 registered (no.161560)
- Viscous film prevents creep onto mould tool face
- Lubricating film is clear and non-staining
- Operational temperature to +120°C



MATERIALS COMPATIBILITY



MOULD PROTECTIVE

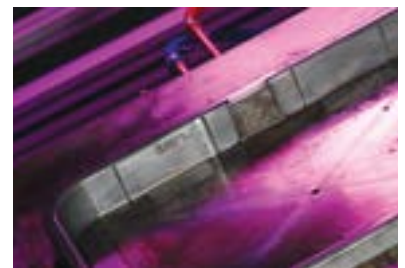


CORROSION INHIBITOR FOR MOULD TOOLS

Non-silicone corrosion inhibitor for injection moulding tools and dies.

- Repels and displaces moisture leaving a durable, non-greasy protective film
- Applied film will not harden or crack
- Allows handling and resists acid finger marks
- Light yellow film ensures total coverage can be seen
- The cured film will not stain moulds

CURED FILM DRYNESS



GREEN MOULD PROTECTIVE



HIGHLY VISIBLE CORROSION INHIBITOR

Tenacious and long-lasting anti-corrosion treatment for mould tools. The highly visible green spray provides easy visual inspection to ensure complete coverage.

- Non-silicone corrosion inhibitor for injection moulding tools
- Repels and displaces moisture leaving behind a durable protective film for excellent long-term tool storage
- Waxy film allows handling & will resist acid finger marks
- Easily moulded off once production recommences
- Ideal for the long-term storage of mould tools

CURED FILM DRYNESS



BLUE MOULD PROTECTIVE FG



HIGHLY VISIBLE CORROSION INHIBITOR FOR FOOD PACKAGING

A waxy, long-lasting coating for mould tools and dies which is NSF registered for use in the food/beverage sector.

- Non-silicone corrosion inhibitor for injection moulding tools
- NSF H2 registered (No.149685)
- Ideal for long-term storage of mould tools, dies, and jigs
- Highly visible blue dye provides an easy visual method for ensuring complete coverage
- Easily moulded off once production recommences



CURED FILM DRYNESS



TOOL GUARD



LIGHT GREEN MOULD TOOL PROTECTIVE

A light green, viscous, protective coating for use on mould tools. It removes moisture and provides good, long-term protection to surfaces.

- Easy identification of treated areas for total coverage
- Will not penetrate or creep into the mould tool
- Resists high humidity and acid finger marking
- Easy to apply with good wetting properties
- Excellent corrosion protection
- Also available in a clear version as Tool Guard Clear



CURED FILM DRYNESS



1031183
31972-AA
(green)

1031734
32708-AA
(clear)



CLEAR MOULD PROTECTIVE



TRANSPARENT CORROSION INHIBITOR

Use on moulds as a long-term protection during storage. Carries NSF registration for use on food/beverage packing mould tools.

- Displaces moisture leaving a durable, non-greasy protective film
- NSF H2 registered (No.49688)
- Will not stain or mark the mould; suitable for use with white and transparent polymers
- Easily "moulded off" when production recommences
- Waxy film allows handling and resists acid finger marks



CURED FILM DRYNESS



1030970
31547-AA



POLYMER REMOVER



HEAVY-DUTY MOULD CLEANER

Highly effective and powerful solvent blend developed for use on polymer residues and soiled tooling/equipment.

- Controlled rate of evaporation for maximum efficiency
- Removes: plastics, rubbers, and resin deposits including: ABS, Acetals, Acrylates, PVC, Epoxy Resins (uncured), Polyamides, Polystyrenes, Silicone Resins, and Rubbers
- It will also remove other materials such as cellulose resins and alkyd resins



MATERIALS COMPATIBILITY



1030976
31551-AA

1031093
31688-AA



MOULD CLEANER



GENERAL-PURPOSE CLEANER FOR MOULD TOOLS

A powerful solvent blend formulated to remove a wide range of common soiling from moulds, tools & dies.

- Quickly and easily removes oils, grease, old protective films & release agents
- Ideal for removing old release agents
- Evaporates to leave a clean, dry, residue free surface
- Special formulation allows use on hot production tooling without excessive solvent loss



MATERIALS COMPATIBILITY



1030974
31550-AA

1031092
31686-AA





SOLVENT CLEANER FG

FOOD GRADE SOLVENT CLEANER FOR MOULD TOOLS

A general-purpose solvent cleaner that is suitable for use in the food/ beverage sector.

- Quickly removes oils, greases, waxy protective films, and release agent residue
- Evaporates to leave a clean, dry, residue free surface
- Excellent materials compatibility
- Low odour

MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



1031454
32448-AA



POLYESTER MOULD CLEANER

SOLVENT CLEANER FOR MOULDS

A blend of powerful solvents specifically developed to remove semi-permanent mould release coatings used in GRP and rotational moulding from a wide variety of mould substrates.

- Safe for use on GRP and gel coated moulds
- Effective removal of semi-permanent, silicone, and wax release agents
- Compatible with all Ambersil composite release agents

MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



1031094
31690-AA



MOULD SOLV

SOLVENT CLEANER FOR MOULDS & TOOLS

A medium power, low odour solvent for the general cleaning and preparation of mould tools.

- Highly effective low odour degreasing agent
- Safe for use on plastics, metals, painted and glazed surfaces
- Removes anti-corrosion coatings and old release agents

MATERIALS COMPATIBILITY

EVAPORATION RATE

CLEANING POWER

POST-PROCESS RESIDUE



1031179
31970-AA



[illegible]

GLOSSARY

ADD

The Aerosol Dispensers Directive is a piece of European legislation, the primary purpose of which is to protect consumer and end-user safety in relation to the use of aerosol dispensers. Amongst other criteria, ADD requires that all filled aerosols are tested to ensure complete integrity (water bath testing to 50°C) and that all formulations are thoroughly tested to evaluate potential flammability – and labelled accordingly. With the addition of the compliance mark (the reversed epsilon 'ϵ') located on the aerosol can itself, consumers are able to confirm that the aerosol has been tested to rigorous EU standards.

AEROSOL

A self-contained sprayable product comprising of a mixture of active ingredients, carriers and propellant contained in a steel or aluminium container which discharges the formulation under pressure. Aerosols are hermetically sealed, ensuring risk of spillage is removed, storage simplified, and combustion risks minimised - all benefiting Health & Safety guidelines. Assists with precise and controlled application.

BARRIER PROTECTION

Barrier protection is one of two primary methods of protecting metals from corrosion. By coating the metal with a suitable product (e.g. Acrylic Paints; Bright, Cold Galvanise; Inox 200, etc), corrosion is unable to take place because electrolytes (such as rain water) are unable to come into contact with the metal and an electron flow cannot be established, thus preventing galvanic corrosion.

BIODEGRADATION / BIODEGRADABLE

The process by which organic substances are broken down into harmless constituents by the natural action of living micro-organisms.

CATHODIC PROTECTION

Cathodic protection is based on the ionic charge of the metal and the reversal or mitigation of the flow of electrons as found in galvanic corrosion. The protective coating applied should have a lower potential (volts) than the metal it is to protect so that the coating is corroded in preference to the base metal – with protection often extending beyond the physical edge of the coating. By offering itself for corrosion instead of the base metal, this type of coating is often termed 'sacrificial' and is, in essence, how galvanised steel is protected.

CHLORINATED SOLVENTS

Chlorinated solvents are organic solvents which contain chlorine atoms as part of their chemical make-up. These compounds are very effective solvents for oils and greases.

DIELECTRIC STRENGTH

The maximum electrical field strength that an insulating material can withstand intrinsically without decomposing, usually specified in volts per millimetre of thickness. Also known as the breakdown voltage.

EDTA

EDTA is the chemical compound ethylenediaminetetraacetic acid, also known as diaminoethane tetraacetic acid disodium salt. It is most commonly used as a constituent in water-based cleaning chemicals to bind with a water soluble compound. This use has now become less prominent due to concerns over the biodegradability and EDTA has also found some specialist uses as a preservative in some processed foods and cosmetics.

EMULSION

A combination of water-soluble and water insoluble chemical groups held together by a surfactant. Emulsions are usually milky white.

EVAPORATION RATE

The rate at which a material will vaporise (evaporate) when compared to the known rate of vaporisation of a standard material. The designated standard material is usually n-butyl acetate, with a vaporisation rate designated as 1.0. The higher the number, the faster the evaporation rate.

FDA

The FDA (Food and Drugs Administration) ensures that all ingredients used in foods are safe, and that food is free of contaminants such as disease-causing organisms, chemicals, or other harmful substances. The FDA reviews the results of laboratory, animal and human clinical testing conducted by companies to determine if the product they wish to place on the market is safe and effective. The FDA does not develop or test products itself, nor issue approvals.

FLASH POINT

The lowest temperature at which the vapours of a solvent will flash (ignite) under specific test conditions.

GALLING

The process by which metal components 'cold weld' and seize. When two metals are brought together under pressure, the action of forcing the surfaces together can cause the contacting faces to begin to combine at an atomic level, fusing the pieces together. Where stainless steel or aluminium alloys are used, the friction can scour off the thin, non-reactive protective oxide layer, exposing clean reactive material - allowing atomic fusing to occur. Galling can be prevented by the use of a lubricant, such as bearing grease, however, grease needs to be 'worked' before full lubrication is achieved, therefore a running-in paste should be used to prevent galling in this start-up period.

GALVANIC CORROSION

Is an electrochemical process which occurs when two metals with differing electrical potentials are in contact with each other in the presence of an electrolytic solution (such as rain water).

GALVANISING

Galvanising is the process by which clean, degreased ferrous metal (i.e. steel) has a layer of zinc applied to its surface using extreme heat to form an inseparable alloy at the point where the two layers are fused. Zinc will be corroded in preference to the ferrous substrate thereby preventing structural corrosion. This type of coating is referred to as a 'sacrificial coating'.

GHS/CLP

The Classification, Labelling and Packaging (CLP) Regulation implements the UN Global Harmonised System (GHS) in all EU member states. Currently there are several differing pieces of legislation relating to the classification, labelling and packaging of dangerous substances worldwide. GHS will implement identical criteria for classifying chemicals according to the health, environmental and physical hazards; and also for how hazards are communicated via product labels and MSDSs. Manufacturers will need to plan the phase-in of complete label and packaging (print) re-design; the updating of all MSDSs and the communication of these changes through the channel. These changes will include the introduction of new hazard warning pictograms and harmonised warning and precautionary statements on labels, which will replace the existing risk and safety phrases.

GWP

Abbreviation for "Global Warming Potential". GWP is an industry recognised, arbitrary measure of the effect of various chemicals on global warming. The benchmark reference is Carbon Dioxide (CO₂) with a score of 1 for 1kg. A product that contributes twice as much to global warming would have a score of 2 for 1kg, indicating double the impact for the same amount. As the number gets higher, so the effect of 1Kg of the material can be seen to be proportionally more severe than CO₂. The score allows users and specifiers to consider the environmental impact of the products they are using. Not all products on the market will have a GWP score.

HACCP

HACCP (Hazard Analysis Critical Control Point) is the systematic preventative approach to food safety that helps food business operators look at how they handle food and introduces procedures to make sure the food produced is safe to eat. It addresses physical, chemical and biological hazards as a means of prevention rather than finished product inspection. Retailers, the food industry and Government in particular are concerned about ensuring that food is produced safely and that the consumer has confidence in the product. HACCP has been increasingly applied to industries other than food, such as cosmetics and pharmaceuticals.

HALAL

This is an Arabic term which means permissible or lawful in Islam, where items are prepared or kept in conditions that follow the rules of Islamic law.

HARAM

This is an Arabic term which means impermissible or unlawful in Islam.

HAZARD SYMBOLS

ENVIRONMENTAL HAZARD



Hazardous to the environment

HEALTH HAZARD



Serious Health Hazard



Health Hazard



Corrosive

GLOSSARY

PHYSICAL HAZARD

Extremely flammable aerosol



Flammable aerosol

Highly flammable liquid and vapour

Flammable liquid and vapour

ISO 9001

Internationally recognised Quality Management system standard, indicating Ambersil's commitment to quality and continuous improvement. The standard has been developed to provide a framework around which a quality management system can effectively be implemented.

ISO 14001

Internationally recognised environmental management standard. Specifies the requirements for an environmental management system; provides a framework for an organisation to control the environmental impacts of its activities, products and services, and to continually improve its environmental performance.

KB VALUE

The Kauri Butanol (KB) value is a measure of the relative solvent power of a hydrocarbon liquid. The higher the KB value, the more powerful the solvent.

MODULUS

Where two substrates/surfaces are bonded together with either an adhesive or sealant, they are often subject to forces which could, with enough pressure, result in the bond failing. Modulus is measured in Pascal's. Low modulus means the bond is more flexible and has more 'give' in it, i.e. good for expansion joints. High modulus means that the bond is stiffer and less flexible.

MRO

Abbreviation for the term "Maintenance, Repair, and Overhaul". Typically associated with the service and repair sectors, including plant and site maintenance / engineering.

NLGI GRADE

A widely used classification for lubricating greases established by the National Lubricating Grease Institute and a reference to the measure of the consistency of a particular grease. The most common consistency number is #2. Softer grades, especially #0 and #1, are often used for improved low-temperature service. High consistency numbers, #3 through #6 are used for certain high-speed bearings where leakage and sealing are particular concerns. The higher the number, the more viscous the grease.

NSF EXPLAINED

NSF is an abbreviation for the National Sanitation Foundation, which was founded in 1944 as a not-for-profit, non-governmental organisation. NSF International is a global provider of public health and safety risk management solutions to companies, governments and consumers. In 1999, it launched its voluntary Non-food Compounds Registration Program to re-introduce the previous authorisation program administered by the U.S. Department of Agriculture (USDA). Product evaluation is based on formulation and label review and products which comply with the relevant regulations and guidelines receive a Letter of Authorisation and are included in the 'NSF White Book™'.

NSF CATEGORIES

3H

This product is acceptable for use as a Release Agent on grills, ovens, loaf pans, boning benches, chopping boards, or other hard surfaces in contact with meat and poultry food products to prevent food from adhering during processing.

H1

This product is acceptable as a lubricant with incidental food contact for use in and around food processing areas. Such compounds may be used on food processing equipment as a protective anti-rust film, as a release agent on gaskets or seals of tank closures, and as a lubricant for machine parts and equipment in locations in which there is a potential exposure of the lubricated part to food. If used as an anti-rust film, the compound must be removed from the equipment surface, leaving the surface effectively free of any substance which could be transferred to food.

M1

This product is acceptable for use as a mould release agent on moulds that are used to produce packaging material that will contact food to prevent the finished product from adhering to the mould. The amount used on the equipment should be the minimum required to accomplish the effect.

A1

Acceptable for use as a general cleaner on all surfaces in and around food processing areas, where its use is not intended for direct food contact. All food products and packaging materials must be removed or protected prior to product use. After use of this product, surfaces should be rinsed with potable water. The cleaner should not exhibit a noticeable odour nor leave a visible residue.

A7

Acceptable as a metal cleaner and polisher for non-food contact surfaces (A7) in and around food processing areas. All food products and packaging materials shall be removed or carefully protected prior to usage. This compound must be used in a manner so that all odours associated with the compound are dissipated before food products or packaging materials are re-exposed in the area.

A8

Acceptable for use as a degreaser or carbon remover for food cooking or smoking equipment, utensils, or other associated surfaces in and around food processing areas, where its use is not intended for direct food contact. All food products and packaging materials must be removed or protected prior to product use. A potable water rinse of cleaned surfaces is required after use of this product.

H2

Acceptable as a lubricant where there is no possibility of food contact (H2) in and around food processing areas. Such compounds may be used as lubricants, release agents, or antirust films on equipment and machine parts in locations in which there is no possibility of the lubricant or lubricated part contacting edible products.

K2

This product is acceptable for use as a solvent for cleaning electronic instruments and devices, which will not tolerate aqueous cleaning solutions in and around food processing areas, where its use is not intended for direct food contact. Before using this compound, food products and packaging materials must be removed from the area or carefully protected. This compound must be used in a manner so that all odours associated with the compound are dissipated before food products or packaging materials are re-exposed in the area.

K3

This product is acceptable for use as an adhesive or glue remover; for removing adhesive or glue from food packaging materials in and around food processing areas, where its use is not intended for direct food contact. Before using this compound, food products and packaging materials must be removed from the area or carefully protected. After using these compounds, all surfaces must be thoroughly washed with an acceptable detergent solution, and rinsed with potable water. This compound must be used in a manner so that all odours associated with the compound are dissipated before food products or packaging materials are re-exposed in the area.

P1

Acceptable for use as a TFT, LCD and plasma screen cleaner (P1), in and around food processing areas. The product must only be used in such a manner as to ensure it will have neither direct nor indirect contact with food or potable water.

C1

Acceptable for use in inedible product processing areas, non-processing areas, and/or exterior areas of food processing establishments provided that it is not used to mask odours resulting from unsanitary conditions, and that any characteristic odour or fragrance does not penetrate into an edible product area. When used on equipment that will be returned to a food processing area, the product must be completely washed off and rinsed with potable water before returning to the processing area.

K1

This product is acceptable for use as a cleaner and degreaser for use in non food processing areas, which are used to remove oil, wax, resinous materials, or other substances not removable by using acidic or alkaline cleaning agents. Their use is limited to non-processing areas where there is no possibility of solvent vapours entering a processing area. Food processing equipment or utensils treated with such preparations must be washed with an acceptable detergent solution and thoroughly rinsed with potable water before returning to a processing area.

GLOSSARY

OZONE DEPLETERS

Halogen-containing substances known to reduce the protective effects of the stratospheric ozone layer. Aerosols manufactured within Europe have been free of ozone depleting substances for many years.

PH

A scale ranging from 0 to 14 used to measure acidity and alkalinity. The lower the number the more acidic; the higher the number, the more alkaline; 7 is neutral.

POTABLE WATER

Water of sufficient quality to serve as drinking water is called potable water whether it is used as such or not. Although most fresh water sources are drinkable by humans, they can be a disease vector or cause long-term health problems if they do not meet certain water quality guidelines.

PTFE

The abbreviation for polytetrafluoroethylene, PTFE, appears in the Guinness Book of Records as having the lowest coefficient of static and dynamic friction of any solid. This value, at 0.02, is equivalent to wet ice on wet ice, indicating its extreme anti-friction properties.

REACH

Registration, Evaluation and Authorisation of Chemicals. REACH is an EU-wide reform of the regulatory environment in which chemicals are used and will eventually replace and update many other pieces of chemical control legislation. The aim is to reduce the risks to human health and the environment through the methodical and accurate identification of the properties of chemical substances. Whilst there is no definitive list of 'approved' chemicals as yet, a series of deadlines will ensure that the highest volume and most harmful are evaluated first. REACH relies on end-user application information to be filtered up through the supply chain to establish accurate registration and evaluation. More information can be found at: www.hse.gov.uk/reach.

RAL

In 1925, the private sector and the German government founded the "Reichsausschuss für Lieferbedingungen" - RAL - (Committee of the German Reich for Terms and Conditions of Sale). RAL's original task was to standardise precise technical terms of delivery and sale. The RAL colour collection comprises over 200 colours with a four-digit numbering. The registers also include safety and signal colours and they comply with the requirements of the DIN standards (German Industrial Standards). The basic collection for matt colour shades is the register RAL 840 HR while it is the RAL 841 GL register for gloss colours. RAL 840 HR is the European-wide 'registered' standard colours for the coatings industry.

RTV (ROOM TEMPERATURE VULCANISATION)

Vulcanisation refers to a specific curing process of rubber involving high heat and the addition of sulphur. It is a chemical process in which polymer molecules are linked to other polymer molecules resulting in springy rubber molecules which become cross-linked. This makes the material harder, much more durable and also more resistant to chemical attack. Vulcanisation which occurs without the need for heat and sulphur, usually by the addition of activating chemicals, is known as Room Temperature Vulcanisation as the rubber 'cures' at around 25°C.

SHELL 4-BALL WELD

An industry standard test which provides an indication of the load bearing capability of a lubricant. A steel ball is loaded and rotated against 3 fixed steel balls for 10 seconds. At the end of each 10 second run, a further weight is loaded onto the balls, and the test re-run using fresh lubricant. The test is complete when the balls weld together. The weld point is the load at which this occurs. The higher the weld point, the greater the lubricity (lubricating ability) of the grease.

SPECIFICATIONS

"APPROVED"

Indicates a product has completed a specific process at a user. This process may include detailed testing, or it may simply be a purchasing decision based on data sheet review.

"MEETS THE REQUIREMENTS OF..."

During development and formulation, the product has been evaluated by our chemists against the defined test specification and deemed that if submitted for independent evaluation at an accredited test facility, it would pass.

COMPANY NAMES

Where specific company names are used, these do not reflect either explicit or implied recommendation.

SURFACTANT

A descriptive term derived from 'Surface Active Agent', a specialised compound that is typically used to connect water soluble and water insoluble chemical groups. Can be used to improve the emulsifying, foaming, dispersing and wetting properties of a product

TACCP

Threat Assessment and Critical Control Points: Similar to HACCP, this focusses on food/beverage defence: food tampering, intentional adulteration, or contamination. The threat assessment looks at the motivations and opportunities a person may have for interference with products, and the control/mitigation of malicious intent occurrences.

THIXOTROPIC

A term used to describe fluids which are shear thinning. In essence, most thixotropic substances are gel-like, meaning that they retain their shape upon application, but when heated or subjected to shear stress, their shape will change and they will become thinner. The word comes from the Greek 'thixis' for touch and 'tropy', from 'tropos' meaning changeable.

USDA

The USDA (United States Department of Agriculture) used to authorise the use of non-food compounds, including cleaning agents and lubricants, within the Food Industry sector. In 1999, this former authorisation program was reintroduced as a voluntary registration program by NSF International. USDA categories for lubricants: USDA H1 for incidental food contact (above the food line) USDA H2 for where there is no possibility of food contact (below the food line).

VACCP

Vulnerability Assessment and Critical Control Points: Similar to TACCP, this focusses on (but not limited to) the supply side of the organisation, specifically the adulteration of foodstuffs for financial gain such as product substitution, bulking-out with a cheaper ingredient, or the sale of counterfeit or stolen goods.

VISCOSITY

A term used to describe the resistance to flow or degree of 'thickness' of a liquid, usually expressed in units of poise or stokes. The more viscous a product, the thicker its consistency.

WEILS DISEASE

Weil's disease is a particularly dangerous disease which is predominantly caught from standing water infected with the pathogen (bacteria) known as *Leptospira*, from rat and rodent urine. Symptoms are similar to those of influenza, meningitis, hepatitis, dengue or viral haemorrhagic fevers and can be fatal if left untreated.

UKCA

The UK Conformity Assessed mark is a mandatory mark on a product to indicate that it conforms to UK legislation.

WRAS

The Water Regulations Advisory Scheme is the UK Water Industry's approval scheme. Products approved by the scheme have been shown to comply with the requirements of the Water Supply (Water Fittings) Regulations 1999 and amendments. The scheme is designed to promote knowledge of the regulations with a view to preventing the waste, undue consumption, misuse or contamination of drinking water. Approved products can be found at www.wras.co.uk/directory.

CONTENTS BY NAME

LANGUAGE CODE	LANGUAGES ON LABEL	LANGUAGES
1	EN	English
2	EN, PL	English, Polish
3	EN, ES, PL	English, Spanish, Polish
4	EN, FR, ES, NL	English, French, Spanish, Dutch
4 ¹	EN, ES, PT, FR	English, Spanish, Portuguese, French
6	EN, ES, PT, PL, CS, HU	English, Spanish, Portuguese, Polish, Czech, Hungarian
6 ¹	EN, ES, PT, PL, CS, RO	English, Spanish, Portuguese, Polish, Czech, Romanian
8	EN, ES, PT, FR, NL, PL, CS, HU	English, Spanish, Portuguese, French, Dutch, Polish, Czech, Hungarian
25	EN, NL, FR, DE, IT, ES, PT, DA, NO, SV, PL, CS, HU, SK, RU, SL, TR, HR, BS, SR, JA, MA, ZH, KO, TH	English, Dutch, French, German, Italian, Spanish, Portuguese, Danish, Norwegian, Swedish, Polish, Czech, Hungarian, Slovakian, Russian, Slovenian, Turkish, Croatian, Bosnian (CYR), Serbian (CYR), Japanese, Mandarin, Traditional Chinese, Korean, Thai

PRODUCT NAME	CODE	REF.	FILL	TYPE	LANGUAGE	PAGE
3H Oil	1031398	32326	5L	Bulk	1	29
40+	1031437	32400	200ml	Aerosol	6	28
40+	1030994	31563	400ml	Aerosol	6	28
40+	1030995	31563	400ml	Aerosol	25	28
40+ PermaStraw	1753652	33180	400ml	Aerosol	25	28
40+	1031107	31712	200L	Drum	1	28
40+	1031106	31711	25L	Drum	1	28
40+	1032581	33246	500ml	Bottle	1	28
40+	1031077	31635	5L	Bulk	1	28
40+	1030779	30822	500ml	Aerosol	6	28
5005A Silicone Adhesive Sealant	1031079	31644	75ml	Tube	1	50
5024A Silicone Adhesive Sealant	1031128	31753	310ml	Cartridge	6	50
5024A Silicone Adhesive Sealant Black	1030766	30732	310ml	Cartridge	6	50
5024A Silicone Adhesive Sealant Silver	1040551	33406	310ml	Cartridge	6	50
5024A Silicone Adhesive Sealant White	1030765	30730	310ml	Cartridge	6	50
Acrylic Conformal Coating	1030484	30235	400ml	Aerosol	6	48
Acrylic Paint Battleship Grey	1030274	20186	400ml	Aerosol	4	45
Acrylic Paint Belle Orange	1030355	20559	400ml	Aerosol	4	45
Acrylic Paint Blue	1030272	20185	400ml	Aerosol	4	45
Acrylic Paint Bright Red	1030270	20184	400ml	Aerosol	4	45
Acrylic Paint Bright Yellow	1030277	20188	400ml	Aerosol	4	45
Acrylic Paint Chrome Silver	1030280	20190	400ml	Aerosol	6	45
Acrylic Paint Ford Blue	1030348	20555	400ml	Aerosol	4	45
Acrylic Paint Gloss Black	1030267	20182	400ml	Aerosol	4	45
Acrylic Paint Gloss White	1030269	20183	400ml	Aerosol	4	45
Acrylic Paint Green	1030276	20187	400ml	Aerosol	4	45
Acrylic Paint Grey Primer	1030279	20189	400ml	Aerosol	6	45
Acrylic Paint JCB Yellow	1030350	20556	400ml	Aerosol	4	45
Acrylic Paint John Deere Green	1030353	20558	400ml	Aerosol	4	45
Acrylic Paint Massey Fergusson Red	1030352	20557	400ml	Aerosol	4	45
Acrylic Paint Matt Black	1030265	20180	400ml	Aerosol	4	45
Acrylic Paint Matt White	1030266	20181	400ml	Aerosol	4	45
Acrylic Paint Rittal Grey	1030283	20195	400ml	Aerosol	4	45
Acrylic Paint Satin Black	1031252	32060	400ml	Aerosol	8	45
Adhesive HS 300	1031061	31625	500ml	Aerosol	6	51
Adhesive MP 100	1031060	31624	500ml	Aerosol	6	51
Adhesive NC 500	1031059	31623	500ml	Aerosol	6	51
Adhesive QS 900	1031062	31626	500ml	Aerosol	6	51
AGL 1	1031001	31567	400ml	Aerosol	6	28
Air Duster	1753654	33181	400ml	Aerosol	6	18
Air Duster Extreme	1032624	33279	340ml	Aerosol	25	18
Alu Hi-Temp	1030538	30296	400ml	Aerosol	6	47
Amberclens	1031038	31592	400ml	Aerosol	6	14
Amberclens	1031040	31592	400ml	Aerosol	25	14
Amberclens	1031041	31593	750ml	Bottle	6	14
Amberclens FG	1030490	30241	500ml	Aerosol	6	14
Amberglide	1031006	31571	400ml	Aerosol	6	31
Ambergrease EXL	1030544	30304	400g	Cartridge	6	34
Ambergrease EXL	1031012	31574	12.5kg	Bulk	1	34
Ambergrease FG I	1031029	31584	400g	Cartridge	6	35
Ambergrease FG2	1031031	31585	400g	Cartridge	6	35
Ambergrease FG3	1030511	30258	380g	Cartridge	6	35

CONTENTS BY NAME

PRODUCT NAME	CODE	REF.	FILL	TYPE	LANGUAGE	PAGE
Ambergrease SIL	1031156	31888	100ml	Tube	2	36
Amberklene FE10	1030980	31553	400ml	Aerosol	6	20
Amberklene FE10	1030983	31553	400ml	Aerosol	6	20
Amberklene FE10	1030982	31553	400ml	Aerosol	25	20
Amberklene FE10	1030545	30308	25l	Bulk	6'	20
Amberklene FE10	1031076	31634	5l	Bulk	1	20
Amberklene FG	1030491	30242	500ml	Aerosol	6	21
Amberklene LO30	1030985	31555	400ml	Aerosol	6	20
Amberklene LO30	1031098	31700	25l	Drum	1	20
Amberklene LO30	1031097	31699	5l	Bulk	1	20
Amberklene ME20	1030984	31554	400ml	Aerosol	6	20
Amberklene ME20	1031078	31636	5l	Bulk	1	20
Ambersolv ABI/Foaming Cleaner	1031045	31597	400ml	Aerosol	6	14
Ambersolv ABI/Foaming Cleaner	1031135	31783	25l	Drum	1	14
Ambersolv SBI	1031046	31598	400ml	Aerosol	6	22
Ambersolv SBI	1031137	31786	25l	Drum	1	22
Ambersolv SBI	1031136	31785	5l	Bulk	1	22
Ambertron	1030978	31552	400ml	Aerosol	6	24
Ambertron	1031096	31695	25l	Drum	1	24
AMS4 Silicone Grease	1030998	31566	400ml	Aerosol	6	36
Anti-Static Spray	1030993	31561	400ml	Aerosol	25	19
Assembly Paste FG	1031034	31587	400ml	Aerosol	6	32
BA40 Solvent	1030988	31556	400ml	Aerosol	6	22
Battery Terminal Protector	1031054	31618	500ml	Aerosol	25	47
Belt Dressing FG	1030509	30257	400ml	Aerosol	6	33
Bioweld	1031057	31621	400ml	Aerosol	6	42
Bioweld	1031118	31728	200l	Drum	1	42
Bioweld	1031116	31726	25l	Drum	1	42
Bioweld	1031117	31727	5l	Bulk	1	42
Adhesive Lubricant	1031491	32500	400ml	Aerosol	6	34
Blue Mould Protective FG	1031456	32449	400ml	Aerosol	6	60
Brake Cleaner	1030527	30282	500ml	Aerosol	6	20
Brake Cleaner	1031133	31772	5l	Bulk	25	20
Bright Cold Galvanise	1030536	30292	400ml	Aerosol	6	46
CCL 100	1031157	31889	400ml	Aerosol	25	23
Chain Lube FG	1030495	30245	400ml	Aerosol	6	33
Chain Lube FG	1030526	30278	5l	Bulk	6	33
Chainspray	1031013	31575	400ml	Aerosol	6	33
Chainspray	1031015	31575	400ml	Aerosol	25	33
Clear Mould Protective	1030970	31547	400ml	Aerosol	6	61
Clear Mould Protective	1030971	31547	400ml	Aerosol	25	61
Cold Galvanise	1030534	30291	400ml	Aerosol	6	46
COM 300	1031119	31731	25l	Drum	1	59
Contact Cleaner FG	1031035	31588	400ml	Aerosol	6	24
Copper Anti-Seize Paste	1030543	30303	400ml	Aerosol	6	32
Copper Anti-Seize Paste	1030487	30239	500g	Can	6	32
Corrosion Inhibitor	1031064	31628	400ml	Aerosol	6	47
Corrosion Inhibitor	1031065	31628	400ml	Aerosol	25	47
Corrosion Inhibitor	1031105	31710	200l	Drum	1	47
Corrosion Inhibitor	1031104	31709	25l	Bulk	1	47
Degreaser Concentrate	1031272	32090	5l	Bulk	6	14
Degreaser Concentrate	1031132	31763	25l	Bulk	1	14
Degreaser FG	1754601	33419	1l	Bottle	6	15
Degreaser RTU	1030914	31464	750ml	Bottle	6	14
Direct Contact Food Lube FG	1032739	33367	400ml	Aerosol	25	29
DP 200	1030953	31538	400ml	Aerosol	6	58
Dry Film Anti-Stick	1031010	31573	400ml	Aerosol	6	31
Dry Moly	1031016	31576	400ml	Aerosol	6	32
Dry PTFE Lube FG	1031037	31589	400ml	Aerosol	6	31
Dust Remover	1031493	32504	400ml	Aerosol	6	19
Easy Weld	1030528	30287	400ml	Aerosol	6	42
Ejector Pin Lubricant FG	1030973	31549	400ml	Aerosol	25	60
Engineers Wipes	1032716	33353	400	Wipes	6	17
Fast Clean 201	1031278	32114	25l	Drum	1	22

CONTENTS BY NAME

PRODUCT NAME	CODE	REF.	FILL	TYPE	LANGUAGE	PAGE
Flaw Detector Cleaner I	I030529	30288	400ml	Aerosol	6	43
Flaw Detector Developer 3	I030532	30290	400ml	Aerosol	6	43
Flaw Detector Developer 3	I030533	30290	400ml	Aerosol	25	43
Flaw Detector Penetrant 2	I030530	30289	400ml	Aerosol	6	43
Flaw Detector Penetrant 2	I030531	30289	400ml	Aerosol	25	43
FLT Chainlube	I031049	31614	500ml	Aerosol	6	33
FLT Chainlube	I031051	31614	500ml	Aerosol	25	33
Food Grease FG	I030513	30259	400ml	Aerosol	6	34
Formula I	I030944	31532	400ml	Aerosol	6	54
Formula I	I031088	31675	200l	Drum	I	54
Formula I	I031089	31678	25l	Drum	I	54
Formula I HT	I030945	31533	400ml	Aerosol	6	54
Formula I0	I030959	31541	400ml	Aerosol	6	56
Formula I0	I030960	31541	400ml	Aerosol	6	56
Formula I0	I030962	31541	400ml	Aerosol	25	56
Formula I I	I030963	31542	400ml	Aerosol	25	57
Formula I2	I030964	31544	400ml	Aerosol	25	57
Formula I4	I030482	30226	400ml	Aerosol	6	57
Formula 2	I030947	31534	500ml	Aerosol	6	54
Formula 20	I030483	30227	400ml	Aerosol	6	55
Formula 4	I030972	31548	400ml	Aerosol	25	56
Formula 5	I030956	31540	400ml	Aerosol	6	56
Formula 5	I030958	31540	400ml	Aerosol	25	56
Formula 6	I030948	31535	400ml	Aerosol	6	54
Formula 6	I031090	31680	25l	Drum	I	54
Formula 7	I030954	31539	400ml	Aerosol	6	56
Formula 7	I030955	31539	400ml	Aerosol	25	56
Formula 7	I031091	31681	25l	Drum	I	56
Formula 8	I030951	31536	400ml	Aerosol	25	54
Freezer	I032513	33182	400ml	Aerosol	6	19
Galva Colour Black	I030394	20679	500ml	Aerosol	8	49
Galva Colour Blue	I030392	20676	500ml	Aerosol	8	49
Galva Colour Red	I030389	20674	500ml	Aerosol	8	49
Galva Colour Silver	I030396	20680	500ml	Aerosol	8	49
Galva Colour White	I030399	20681	500ml	Aerosol	8	49
Galva Colour Yellow	I030387	20673	500ml	Aerosol	8	49
Galva Shine	I030537	30293	400ml	Aerosol	6	47
Galvanising Zinc Rich	I030542	30300	400ml	Aerosol	6	46
Gasket Stripper GS5	I031159	31891	400ml	Aerosol	6	23
Gear & Wire Rope Lubricant	I031026	31583	400ml	Aerosol	6	32
Gear Oil Super 150 FG	I030519	30272	5l	Bulk	8	37
Gear Oil Super 220 FG	I030522	30274	5l	Bulk	6	37
Glass Cleaner	I031043	31596	400ml	Aerosol	6	16
Graphite Release Spray	I031490	32499	400ml	Aerosol	6	34
Green Mould Protective	I030967	31546	400ml	Aerosol	6	60
Green Mould Protective	I030969	31546	400ml	Aerosol	25	60
Hand Cleaner Plus	I032500	33174	3.8l	Bulk	25	17
Hand Cleaning Wipes	I031138	31798	150	Tub	25	17
Hard Surface Cleaner	I031131	31761	5l	Bulk	6	15
HD-Sil Release	I031422	32353	500ml	Aerosol	6	55
HD-Sil Release	I031424	32353	500ml	Aerosol	25	55
Hi-Load Lube FG	I031177	31966	400g	Cartridge	6	35
Hydraulic Oil Super 32 FG	I030516	30265	5l	Bulk	6	37
Hydraulic Oil Super 46 FG	I030517	30267	5l	Bulk	6	37
HydroPower	I755346	33431	400ml	Aerosol	3	15
Industrial Degreaser FG	I030502	30251	500ml	Aerosol	6	21
Industrial Degreaser FG	I030503	30252	5l	Bulk	6	21
Inox 200	I030541	30299	400ml	Aerosol	6	48
Invertible Air Duster	I032514	33183	200ml	Aerosol	25	18
IPA Solvent	I031108	31713	250ml	Bottle	I	24
IPA Solvent	I031003	31569	400ml	Aerosol	6	24
IPA Solvent	I031111	31715	25l	Bulk	I	24
IPA Solvent	I031112	31716	5l	Bulk	I	24
IPA Solvent	I031110	31714	1l	Bulk	I	24

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PRODUCT NAME	CODE	REF.	FILL	TYPE	LANGUAGE	PAGE
Label & Adhesive Remover FG	I030504	30254	200ml	Aerosol	6	23
Label Remover	I031067	31629	200ml	Aerosol	6	23
Leak Detector	I031075	31633	400ml	Aerosol	6	42
Lec-Klene	I030990	31557	400ml	Aerosol	25	21
Lec-Klene	I040510	31703	25l	Bulk	1	21
Lec-Klene	I040509	31702	5l	Bulk	1	21
Lubricating Oil 'LO' 100 FG	I031274	32105	20l	Bulk	6	36
Machine Oil FG	I030497	30247	400ml	Aerosol	6	29
Machine Oil FG	I030505	30255	5l	Bulk	6	29
Marker Pen Black	I030304	20364	3mm	Pen	4	49
Marker Pen Blue	I030310	20368	3mm	Pen	4	49
Marker Pen Green	I030315	20379	3mm	Pen	4	49
Marker Pen Orange	I030319	20383	3mm	Pen	4	49
Marker Pen Red	I030323	20387	3mm	Pen	4	49
Marker Pen White	I030328	20394	3mm	Pen	4	49
Marker Pen Yellow	I030334	20399	3mm	Pen	4	49
Moisture Remover FG	I032673	33325	400ml	Aerosol	6	28
Mould Cleaner	I030974	31550	400ml	Aerosol	6	61
Mould Cleaner	I030975	31550	400ml	Aerosol	25	61
Mould Cleaner	I031092	31686	5l	Bulk	1	61
Mould Protective	I030965	31545	400ml	Aerosol	6	60
Mould Protective	I031095	31691	200l	Drum	1	60
Mould Solv	I031179	31970	500ml	Aerosol	6	62
MPR 100	I031120	31734	25l	Bulk	1	58
Multi-Lube	I031052	31615	500ml	Aerosol	6	29
Multi-Surface Polish	I031063	31627	400ml	Aerosol	6	16
NF Precision Cleaner	I032631	33284	250ml	Aerosol	25	24
Non-Silicone Release FG	I011904	32446	400ml	Aerosol	6	57
Non-Silicone Release FG	I031452	32446	400ml	Aerosol	6	57
No-Sil Release	I031182	31971	500ml	Aerosol	25	58
Paint & Graffiti Remover	I031069	31630	400ml	Aerosol	6	22
Penetrating Oil	I030488	30240	400ml	Aerosol	6	29
Penetrating Oil FG	I030507	30256	400ml	Aerosol	6	30
Polyester Mould Cleaner	I031094	31690	5l	Bulk	1	62
Polymer Remover	I030976	31551	400ml	Aerosol	6	61
Polymer Remover	I030977	31551	400ml	Aerosol	25	61
Precision Duster	I032623	33278	300ml	Aerosol	25	19
PUR 101	I031124	31747	25l	Drum	1	59
PUR 300	I031126	31750	200l	Drum	1	59
PUR 300	I031125	31749	25l	Drum	1	59
PUR 400	I030952	31537	500ml	Aerosol	6	55
PUR 400	I030548	30317	200l	Drum	1	55
PUR 400	I031127	31751	25l	Drum	1	55
PX24	I030997	31565	400ml	Aerosol	25	28
PX24	I031103	31707	200l	Drum	1	28
PX24	I031102	31706	25l	Drum	1	28
PX24	I031101	31705	5l	Bulk	1	28
PX24	I031185	31974	500ml	Bulk	6	28
Rapid Dry Galva	I032626	33280	400ml	Aerosol		25
Red Oxide Primer	I031429	32379	400ml	Aerosol	6	45
Release 100	I031123	31746	5l	Bulk	1	58
ROM 300	I031121	31739	5l	Bulk	1	59
Rust Flash	I031018	31578	500ml	Aerosol	6	30
Silicone Anti-Stick	I031007	31572	400ml	Aerosol	6	30
Silicone FG	I030499	30248	400ml	Aerosol	6	31
Silicone Lubricant	I031071	31631	500ml	Aerosol	6	30
Silicone Release FG	I011905	32454	400ml	Aerosol	6	55
Silicone Release FG	I031458	32454	400ml	Aerosol	6	55
Solvent Cleaner FG	I031454	32448	400ml	Aerosol	6	62
Solvent Degreaser	I030991	31558	500ml	Aerosol	6	21
Spatter Release	I031055	31620	400g	Aerosol	6	42
Stainless Steel Cleaner FG	I030500	30249	500ml	Aerosol	6	16
Sugar Remover & Inhibitor FG	I032646	33296	750ml	Bottle	6	15
Tool Guard Clear	I031734	32708	500ml	Aerosol	25	61

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PRODUCT NAME	CODE	REF.	FILL	TYPE	LANGUAGE	PAGE
Tool Guard Green	1031183	31972	500ml	Aerosol	6	61
Tough Wipes	1030772	30767	100	Wipe	6	17
Tough Wipes	1032714	33352	50	Wipe	1	17
Tufcut Aqua	1030547	30313	5l	Bulk	4 ¹	41
Tufcut Compound	1031023	31581	500g	Can	6	41
Tufcut Foam	1031024	31582	300ml	Aerosol	6	41
Tufcut Liquid	1031022	31580	350ml	Bottle	6	41
Tufcut Liquid	1031115	31723	5l	Bulk	1	41
Tufcut Spray	1031019	31579	400ml	Aerosol	6	41
Tufcut Spray	1031021	31579	400ml	Aerosol	25	41
Ultrasonic Cleaning Fluid	1031277	32112	1l	Bulk	1	19
Universal Screen Cleaner FG	1030485	30236	400ml	Aerosol	6	16
White Spray Grease	1031053	31617	500ml	Aerosol	6	36
Wire Rope Lubricant	1031114	31722	18kg	Tub	6	33
Wire Rope Lubricant	1031113	31720	5kg	Tub	6	33
Zinc Primer	1040482	30298	400ml	Aerosol	6	48



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