

SAFETY DATA SHEET **Revised November 2002** **Reason for revision CHIP 2002****CP0272 v2.2 RS 215-1245, 215-1273, 215-1302, 244-1172, 330-6468, 330-6474, 330-6569****1 IDENTIFICATION OF THE PREPARATION AND THE COMPANY:**PRODUCT NAME: **INDUSTRIAL RUST NOT 781-793**

INTENDED USE: SPECIALITY PAINT.

SUPPLIER: PLASTI-KOTE LTD. PO BOX 867, PAMPISFORD, CAMBRIDGE, CB2 4XP. U.K.

EMERGENCY TELEPHONES: Telephone: 44 (0) 1223 836400 Fax: 44 (0) 1223 836686

Supplied by: RS Components Ltd. Birchington Road, Corby, Northants, NN17 9RS. Tel: (01536) 402888

2 COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT	CAS	EINECS	CONTENTS %	HEALTH (Class)	RISK (R Phrases)
ACETONE	67-64-1	200-662-2	35-50	F, Xi	R11, 36, 66, 67
PROPAN-2-OL	67-63-0	200-661-7	1-5	F, Xi	R11,36,67
ETHANOL	64-17-5	200-578-6	5-15	F	R11
ETHYL 3-ETHOXYPROPIONATE	763-59-9	212-112-9	5-10	Xi	R36
BUTANONE	78-93-3	201-159-0	1-5	F, Xi	R11, 36, 66 ,67
XYLENE MIXTURE OF ISOMERS	1330-20-7	215-535-7	5-12	F, Xn	R10, 20/21,38
PROPANE	74-98-6	200-827-9	10-20	F+	R12
BUTANE/ISOBUTANE	106-97-8	203-448-7	5-15	F+	R12

R-10 Flammable. R-11 Highly flammable. R-12 Extremely flammable. R-36 Irritating to eyes. R-38 Irritating to skin. R-66 Repeated exposure may cause skin dryness or cracking. R-67 Vapours may cause drowsiness and dizziness. R-20/21 Harmful by inhalation and in contact with skin.

3 HAZARDS IDENTIFICATION:

Pressurised Container.

Extremely flammable. May form a flammable or explosive mixture with air during use.

Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness or dizziness.

Solvent abuse can kill instantly.

4 FIRST AID MEASURES:

GENERAL: Move the exposed person to fresh air at once.

EYES: Promptly wash eyes with lots of water while lifting the eyelids. Continue to rinse for at least 15 minutes and get medical attention.

SKIN: Prolonged contact may cause irritation, drying and cracking. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. If irritation persists seek medical attention.

INHALATION: Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION: Rinse mouth thoroughly. Do not induce vomiting. Get medical attention immediately.

**CP0272 v2.2 RS 215-1245, 215-1273, 215-1302, 244-1172, 330-6468, 330-6474,
330-6569**

5 FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Water spray, fog or mist, carbon dioxide (CO₂), foam

SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective but use to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Water spray may be used to flush spills away and dilute spills to non-flammable mixtures. Use water spray to reduce vapours. Warn fire fighters that aerosols are involved

UNUSUAL FIRE & EXPLOSION HAZARDS: Makes explosive mixtures with air. Extremely flammable. May explode in a fire. May travel considerable distance to source of ignition and flash back.

6 ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Collect and reclaim or dispose in sealed containers in licensed waste. Provide ventilation and confine spill.

7 HANDLING AND STORAGE:

USAGE PRECAUTIONS: Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Do not spray near a naked flame or any incandescent material.

STORAGE PRECAUTIONS: Flammable/combustible Store at moderate temperatures in dry well ventilated area. Keep away from heat, sparks and open flame. Protect from sunlight and do not expose to temperatures exceeding 50°C.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT	CAS No.	EINECS	STD	L.T. (8 Hr.TWA)	S.T. (15 MIN)	
ACETONE	67-64-1	200-662-2	OES	500 ppm	1500 ppm	IOELV
PROPAN-2-OL	67-63-0	200-661-7	OES	400 ppm	500 ppm	
ETHANOL	64-17-5	200-578-6	OES	1000 ppm		
ETHYL 3-ETHOXYPROPIONATE	763-59-9	212-112-9	IHL	100 ppm	50 ppm	
BUTANONE	78-93-3	201-159-0	OES	200 ppm (Sk)	300 ppm (Sk)	Bmgv. IOELV
XYLENE MIXTURE OF ISOMERS	1330-20-7	215-535-7	OES	50 ppm(Sk)	100 ppm(Sk)	IOELV
PROPANE	74-98-6	200-827-9		Asphyxiating	Asphyxiating	
BUTANE/ISOBUTANE	106-97-8	203-448-7	OES	600 ppm	750 ppm	

BMGV. = Biological Monitoring Guidance Value listed in EH40

IOELV = Indicative Occupational Exposure Limit value.

IHL = Manufacturers in-house limit

VENTILATION: No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation. If, following workplace assessment, OEL is likely to be exceeded due to use where natural ventilation is insufficient suitable respirator with organic vapour cartridge must be worn.

EYE PROTECTION: Wear splash-proof eye goggles to prevent any possibility of eye contact.

SKIN: Due to the nature of this dispensing system, aerosol, prolonged or repeated skin contact is unlikely. However, if this cannot be avoided suitable chemically impervious protective gloves should be worn. Butyl, Nitril or PTFE.

GENERAL: Do not smoke when using this product.

**CP0272 v2.2 RS 215-1245, 215-1273, 215-1302, 244-1172, 330-6468, 330-6474,
330-6569**

9 PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Aerosol container containing a mixture of active ingredients, solvents and propellants.

FORM: Liquid (Contains liquefied gas under pressure)

ODOUR: Solvent

COLOUR: See cap/ label

pH: Neutral

VAPOUR PRESSURE (20°C) 3.8 BAR

VAPOUR PRESSURE (50°C) <8 BAR

PHYSICAL DATA COMMENTS: A Flash Point method is not available for aerosols but the major hazardous component, the propellant, has a Flash Point of <-40°C with Flammability limits of 9.5% vol. Upper and 1.8% vol Lower. Auto-ignition temperature is 410/580°C.

10 STABILITY AND REACTIVITY:

STABILITY: Highly volatile.

CONDITIONS TO AVOID: Avoid heat, flames and other sources of ignition.

11 TOXICOLOGICAL INFORMATION:

HEALTH WARNINGS: Narcotic effect. Drowsiness. Concentrating and inhaling the gas/spray can lead to abnormal heart rhythms and possibly death. Irritant to eyes and mucous membranes. Irritating to skin.

ROUTE OF ENTRY: Inhalation. Skin.

TARGET ORGANS: Central nervous system. Respiratory system, lungs. Skin.

MEDICAL SYMPTOMS: Narcotic effect. Drowsiness. Dizziness.

ACUTE AND CHRONIC HEALTH HAZARDS: Repeated exposure may cause upper respiratory irritation.

SKIN: Frequent or prolonged contact may irritate and cause dermatitis, defatting, drying and cracking of skin

12 ECOLOGICAL INFORMATION:

ENVIRONMENTAL HAZARDS: Information is not available on the product but due to the small quantities involved and the volatility of the ingredients the contents of this container present low risk to soil or water. The product does not contain any ingredients listed as harmful to the aquatic environment. The product contains Volatile Organic Compounds which when released to air, in larger quantities, have the potential for photochemical ozone creation.

13 DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS: Ensure container is empty and dispose of in accordance with Local Authority regulations. Do not pierce or incinerate even when container is empty.

14 TRANSPORT INFORMATION:

This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These Provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing they are labelled in accordance with the requirements of those regulations to show that they are transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

ROAD (GB): MARK: Aerosols, UN1950, Class 2, Div. 2.1 LABEL FOR CONVEYANCE: Flammable Gas (Class 2).	ROAD (ADR): MARK: 1950, Aerosols, 2, 5°F, ADR LABEL FOR CONVEYANCE: Label Model Number 3, Flammable.	SEA MARK: Aerosols UN1950 SEA TRANSPORT CLASS No.: 2 IMDG Page No.: 2102
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**CP0272 v2.1 RS 215-1245, 215-1273, 215-1302, 244-1172, 330-6468, 330-6474,
330-6569**

15 REGULATORY INFORMATION:

LABEL FOR SUPPLY:	Extremely flammable (Orange/black with flame symbol.)	Irritant (St. Andrew's Cross)
RISK PHRASES:	R-12 Extremely flammable. R-36 Irritating to eyes. R-66 Repeated exposure may cause skin dryness or cracking. R-67 Vapours may cause drowsiness or dizziness.	
SAFETY PHRASES:	S-2 Keep out of reach of children. S-16 Keep away from sources of ignition - No Smoking. S-23 Do not breathe spray or vapour S-24/25 Avoid contact with skin and eyes. S-26 In case of contact with eyes rinse immediately with plenty of water and seek medical attention. S-51 Use only in well ventilated areas.	

UK REGULATORY REFERENCES: Health and Safety at Work Act 1974.

The Control of Substances Hazardous to Health Regulations 1988. H.S.E. EH40/2002 Occupational Exposure Limits.

The Chemicals (Hazard Information & Packaging for Supply) Regulations 2002.(CHIP3)

EC DIRECTIVES: Aerosol Directive 75/324/EEC as amended by 94/1/EEC. Dangerous Preparations Directive 1999/45/EEC

The Safety Data Sheets Directive 91/155/EEC as amended.

STATUTORY INSTRUMENTS: The Consumer Protection Act 1987 SI 1140 The Aerosol Dispensers Regulations 1977 & 1997

The Health and Safety at Work etc. Act 1974

APPROVED CODE OF PRACTICE: The Control of Substances Hazardous to Health.

British Aerosol Manufacturers Code of Practice, 7th.Ed 1999

OTHER INFORMATION SOURCES: Material Safety Data Sheet, Misc. manufacturers.

16 OTHER INFORMATION:

Changes in Sections: 2, 3, 8, 9, 12, and 15

The information contained in this Data Sheet is provided in accordance with the Chemicals (Hazard Information & Packaging for Supply).Regulations 2002.(CHIP3). It does not constitute the user's own assessment of work place risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

As the specific conditions of use of the product are outside the suppliers control the user is responsible for ensuring that the requirements of the relevant legislation are complied with.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties.