



SAFETY DATA SHEET
ANTI-STATIC CLEANER
CP1364 v1.0 RS 700-6395

RS REACH revision date 01/05/10

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	ANTI-STATIC CLEANER		
SUPPLIER	AF INTERNATIONAL. A division of HK WENTWORTH LTD KINGSBURY PARK. MIDLAND ROAD, SWADLINCOTE DERBYSHIRE DE11 0AN UNITED KINGDOM +44 (0) 1283 222111 +44 (0) 1283 550177 info@hkw.co.uk	MANUFACTURER	AF INTERNATIONAL. A division of HK WENTWORTH LTD KINGSBURY PARK. MIDLAND ROAD, SWADLINCOTE DERBYSHIRE DE11 0AN UNITED KINGDOM +44 (0) 1283 222111 +44 (0) 1283 550177 info@hkw.co.uk
PRODUCT NO.	ERAXFCL087	<div style="border: 1px solid black; padding: 2px;"><small>Supplied by: RS Components Ltd, Birchington Road, Corby, Northants, NN17 9RS. Tel: +44 (0) 1536 402888 (8am to 8pm) Email: technical.help@rs-components.com</small></div>	
APPLICATION	Cleaning Product		

2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

PHYSICAL AND CHEMICAL HAZARDS

Aerosol containers can explode when heated, due to excessive pressure build-up. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
PROPAN-2-OL	200-661-7	67-63-0	1-5%	F;R11 Xi;R36 R67
2-BUTOXYETHANOL	203-905-0	111-76-2	1-5%	Xn;R20/21/22 Xi;R36/38
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSENE - UNSPECIFIED	265-149-8	64742-47-8	1-5%	Xn;R65
ALKYLBENZENE SUPHLONIC ACID SODIUM SALT	285-600-2	85117-50-6	1-5%	Xn;R22. Xi;R38,R41.

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels

4 FIRST-AID MEASURES

NOTES TO THE PHYSICIAN

Treat symptomatically

INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly.

SKIN CONTACT

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

ANTI-STATIC CLEANER

EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES

Move container from fire area if it can be done without risk.

UNUSUAL FIRE & EXPLOSION HAZARDS

Aerosol cans may explode in a fire.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Store at moderate temperatures in dry, well ventilated area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
2-BUTOXYETHANOL	WEL	25 ppm(Sk)	123 mg/m ³	50 ppm(Sk)		
PROPAN-2-OL	WEL	400 ppm	999 mg/m ³	500 ppm	1250 mg/m ³	

WEL = Workplace Exposure Limit.

ENGINEERING MEASURES

No particular ventilation requirements.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. DO NOT SMOKE IN WORK AREA!

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Aerosol Liquid		
COLOUR	Colourless		
ODOUR	Characteristic		
VOLATILITY DESCRIPTION	Volatile.		
SOLUBILITY	Insoluble in water		
BOILING POINT (°C)	-26.5 (-15.7 F)	RELATIVE DENSITY	1.176 (liquid) @ 20 °C (68 F)
VAPOUR PRESSURE	62.8 kPa @ 20 °C (68 F)	AUTO IGNITION TEMPERATURE (°C)	> 750 (1382 F)

10 STABILITY AND REACTIVITY

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with acids and alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Carbon monoxide (CO). Hydrogen fluoride (HF). Carbonyl fluoride

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

No specific health warnings noted.

INHALATION

High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

ANTI-STATIC CLEANER

SKIN CONTACT

No specific health warnings noted.

EYE CONTACT

May cause temporary eye irritation.

OTHER HEALTH EFFECTS

This substance has no evidence of carcinogenic properties.

Name	BUTANE
Toxic Conc. - LC 50	658 mg/l/4h (inh-rat)
Name	PROPAN-2-OL
Toxic Dose 1 - LD 50	5045 mg/kg (oral rat)
Toxic Dose 2 - LD 50	3600 mg/kg (oral-mouse)
Toxic Conc. - LC 50	47-73 mg/l/4h (inh-rat)
Name	2-BUTOXYETHANOL
Toxic Dose 1 - LD 50	1480 mg/kg (oral rat)
Name	DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

Name	PROPAN-2-OL
LC 50, 96 Hrs, FISH mg/l	9600
EC 50, 48 Hrs, DAPHNIA, mg/l	10000
Name	2-BUTOXYETHANOL
LC 50, 96 Hrs, FISH mg/l	1700
EC 50, 48 Hrs, DAPHNIA, mg/l	>1000
IC 50, 72 Hrs, ALGAE, mg/l	500
Name	DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED
LC 50, 96 Hrs, FISH mg/l	>1000
EC 50, 48 Hrs, DAPHNIA, mg/l	>250
IC 50, 72 Hrs, ALGAE, mg/l	20

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS	2.2	UK ROAD PACK GR.	#
PROPER SHIPPING NAME	AEROSOLS	ADR CLASS	Class 2: Gases
UN NO. ROAD	1950	TUNNEL RESTRICTION CODE	(E)
ADR CLASS NO.	2.2	CEFIC TEC(R) NO.	20G5A, 20G5O
ADR PACK GROUP	#	RID PACK GROUP	#
ADR LABEL NO.	2.2	IMDG CLASS	2.2
RID CLASS NO.	2.2	IMDG PACK GR.	#
UN NO. SEA	1950	MARINE POLLUTANT	No.
IMDG PAGE NO.	9022	AIR CLASS	2.2
EMS	F-D, S-U		
UN NO. AIR	1950		
AIR PACK GR.	#		

ANTI-STATIC CLEANER

15 REGULATORY INFORMATION

RISK PHRASES

NC Not classified.

SAFETY PHRASES

A1 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
A2 Do not spray on a naked flame or any incandescent material.
S2 Keep out of the reach of children.
S23 Do not breathe vapour/spray.
P13 Safety data sheet available for professional user on request.

UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations.
The Control of Substances Hazardous to Health Regulations 1988.

ENVIRONMENTAL LISTING

Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC.
Dangerous Preparations Directive 1999/45/EC.
Dangerous Substance Directive 67/548/EEC.
Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

REVISION COMMENTS

Revised in accordance with CHIP3 and EU Directives 1999/45/EC and 2001/58/EC

ISSUED BY

Pawel Zmarzly

REVISION DATE NOVEMBER 2009

REV. NO./REPL. SDS 1

GENERATED

SDS NO. 13066

RISK PHRASES IN FULL

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R22 Harmful if swallowed.
R65 Harmful: may cause lung damage if swallowed.
R11 Highly flammable.
R36/38 Irritating to eyes and skin.
R36 Irritating to eyes.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R67 Vapours may cause drowsiness and dizziness.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.