

SAFETY DATA SHEET

ELECTRONIC CLEANING SOLVENT PLUS AEROSOL

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME ELECTRONIC CLEANING SOLVENT PLUS AEROSOL
PRODUCT NO. EECSP200/400D
APPLICATION Manufacture of electrical equipment
SUPPLIER ELECTROLUBE. A division of HK
WENTWORTH LTD
KINGSBURY PARK, MIDLAND
ROAD
SWADLINCOTE
DERBYSHIRE, DE11 0AN
UNITED KINGDOM
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
PENTANE	203-692-4	109-66-0	60-100%	F+;R12 Xn;R65 R66 R67 N;R51/53
PROPAN-2-OL	200-661-7	67-63-0	1-5%	F;R11 Xi;R36 R67

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

3 HAZARDS IDENTIFICATION

Extremely flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

CLASSIFICATION F+;R12. N;R51/53. R66, R67.

4 FIRST-AID MEASURES

INHALATION

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

INGESTION

Immediately rinse mouth and provide fresh air.

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. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

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. Ventilate well.

7 HANDLING AND STORAGE

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USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Provide good ventilation.

STORAGE PRECAUTIONS

Store at moderate temperatures in dry, well ventilated area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
PENTANE	WEL	600 ppm	1800 mg/m3	750 ppm	2250 mg/m3
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3

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		
PHYSICAL DATA COMMENTS	Information given concerns the major ingredient.		
VOLATILITY DESCRIPTION	Volatile.		
SOLUBILITY	Immiscible with water		
BOILING POINT (°C)	36	MELTING POINT (°C)	-130
RELATIVE DENSITY	0.650 @ 20 °c	BULK DENSITY	650 kg/m3
VAPOUR PRESSURE	5.33 kPa @ 19 °c	FLASH POINT (°C)	- 48 CC (Closed cup).
AUTO IGNITION	309	FLAMMABILITY LIMIT - LOWER(%)	1.4
TEMPERATURE (°C)			
FLAMMABILITY LIMIT - UPPER(%)	7.8		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

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

11 TOXICOLOGICAL INFORMATION

INHALATION

May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

SKIN CONTACT

Product has a defatting effect on skin. Prolonged contact may cause dryness of the skin. Prolonged or repeated exposure may cause severe irritation.

EYE CONTACT

Irritating to eyes.

Other Health Effects

This substance has no evidence of carcinogenic properties.

ROUTE OF ENTRY

Inhalation.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Dangerous for the environment if discharged into watercourses.

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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		
PROPER SHIPPING NAME	AEROSOLS		
UN NO. ROAD	1950	UK ROAD PACK GR.	#
ADR CLASS NO.	2	ADR CLASS	Class 2: Gases
ADR PACK GROUP	#	ADR LABEL NO.	2.1
CEPIC TEC(R) NO.	20G5F	RID CLASS NO.	2
RID PACK GROUP	#	UN NO. SEA	1950
IMDG CLASS	2.1	IMDG PAGE NO.	2.1
IMDG PACK GR.	Not Applicable	EMS	F-D, S-U
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	1950	AIR CLASS	2.1
AIR PACK GR.	#		

15 REGULATORY INFORMATION

LABELLING



Extremely Flammable



Dangerous for the environment

RISK PHRASES

R12	Extremely flammable.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S37	Wear suitable gloves.
S51	Use only in well-ventilated areas.
A1	Pressurised 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

UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations.

ENVIRONMENTAL LISTING

Rivers (Prevention of Pollution) Act 1961. Control of Pollution Act 1974.

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EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC.

STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

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

Helen O'Reilly

REVISION DATE

MAY 2007

REV. NO./REPL. SDS GENERATED

2

SDS NO.

10354

RISK PHRASES IN FULL

R11	Highly flammable.
R12	Extremely flammable.
R36	Irritating to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
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.