

## SAFETY DATA SHEET PENETRATING FLUID

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

PRODUCT NAME                    PENETRATING FLUID  
 PRODUCT NO.                    EDGT400  
 SUPPLIER                        ELECTROLUBE. A division of HK  
    WENTWORTH LTD  
    KINGSBURY PARK, MIDLAND ROAD  
    SWADLINCOTE  
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### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
2-BUTOXYETHANOL	203-905-0	111-76-2	1-5%	Xn;R20/21/22 Xi;R36/38
BUTANE	203-448-7	106-97-8	30-60%	F+;R12
DEAROMATISED KEROSENE	265-150-3	64742-48-9	30-60%	Xn;R65.

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.

CLASSIFICATION                    F+;R12.

### 4 FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. Provide rest, warmth and fresh air.

#### INGESTION

Not relevant.

#### 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

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

#### UNUSUAL FIRE & EXPLOSION HAZARDS

Aerosol cans may explode in a fire.

### 6 ACCIDENTAL RELEASE MEASURES

#### SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

#### STORAGE PRECAUTIONS

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

**PENETRATING FLUID****8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
BUTANE	WEL	600 ppm	1450 mg/m3	750 ppm	1810 mg/m3
2-BUTOXYETHANOL	WEL	25 ppm(Sk)	123 mg/m3	50 ppm(Sk)	
DEAROMATISED KEROSENE	WEL		1000 mg/m3		

**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

**ENGINEERING MEASURES**

All handling to take place in well-ventilated area.

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

**HAND PROTECTION**

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**EYE PROTECTION**

Wear approved, tight fitting safety glasses where splashing is probable.

**OTHER PROTECTION**

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

**HYGIENE MEASURES**

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

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Aerosol Liquid		
COLOUR	Brown		
ODOUR	Solvent.		
SOLUBILITY	Insoluble in water		
BOILING POINT (°C)	150	RELATIVE DENSITY	0.800 @ 20 °c
FLASH POINT (°C)	<0 CC (Closed cup).	AUTO IGNITION TEMPERATURE (°C)	>200

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions.

**CONDITIONS TO AVOID**

Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.

**HAZARDOUS DECOMPOSITION PRODUCTS**Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).**11 TOXICOLOGICAL INFORMATION****GENERAL INFORMATION**

No specific health warnings noted.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

Not regarded as dangerous for the environment.

**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**

## PENETRATING FLUID



UK ROAD CLASS	2.1		
PROPER SHIPPING NAME	AEROSOLS		
UN NO. ROAD	1950	UK ROAD PACK GR.	Not Applicable
ADR CLASS NO.	2.1	ADR CLASS	Class 2.1: Flammable gases.
ADR PACK GROUP	Not Applicable	ADR LABEL NO.	2.1
CEFIC TEC(R) NO.	20G5F	RID CLASS NO.	2.1
RID PACK GROUP	Not Applicable	UN NO. SEA	1950
IMDG CLASS	2.1	IMDG PACK GR.	Not Applicable
EMS	F-D; S-U	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1950
ICAO CLASS	2.1	AIR PACK GR.	Not Applicable

### 15 REGULATORY INFORMATION

#### LABELLING



Extremely Flammable

#### RISK PHRASES

R12 Extremely flammable.

#### SAFETY PHRASES

S9 Keep container in a well-ventilated place.  
 S16 Keep away from sources of ignition - No smoking.  
 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 &amp; Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 1988.

#### ENVIRONMENTAL LISTING

Control of Pollution Act 1974. Control of Pollution (Special Waste Regulations) Act 1980. Rivers (Prevention of Pollution) Act 1961.

#### EU DIRECTIVES

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

#### 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

#### GENERAL INFORMATION

CN No 34039990

#### REVISION COMMENTS

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

#### ISSUED BY

Helen O'Reilly

#### REVISION DATE

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#### SDS NO.

11004

## PENETRATING FLUID

### RISK PHRASES IN FULL

R12	Extremely flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R36/38	Irritating to eyes and skin.
R65	Harmful: may cause lung damage if swallowed.

### DISCLAIMER

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