



## SAFETY DATA SHEET

### ULTRALUBE - AEROSOL

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

**PRODUCT NAME** ULTRALUBE - AEROSOL

**PRODUCT NO.** EULL200D

**APPLICATION** Lubricant

**SUPPLIER** ELECTROLUBE. A division of  
HK WENTWORTH LTD  
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#### 2 HAZARDS IDENTIFICATION

Extremely flammable.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
PENTANE	203-692-4	109-66-0	30-60%	F+;R12 Xn;R65 R66 R67 N;R51/53

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.

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

## ULTRALUBE - AEROSOL

### 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

### 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	TWA - 8 hrs		STEL - 15 min		Notes
PENTANE	WEL	600 ppm	1800 mg/m3	750 ppm	2250 mg/m3	

WEL = Workplace Exposure Limit.

### 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	0.646 @ 20 °c	BULK DENSITY	646 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 alkalis.

## 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.

**ULTRALUBE - AEROSOL****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.

<b>Name</b>	PENTANE
<b>Toxic Dose 1 - LD 50</b>	>2000 mg/kg (oral rat)
<b>Toxic Dose 2 - LD 50</b>	446 mg/kg (ivn-mouse)
<b>Toxic Conc. - LC 50</b>	364,000 mg/m <sup>3</sup> /30h (inh-rat)

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

Dangerous for the environment if discharged into watercourses.

<b>Name</b>	PENTANE
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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**

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

**15 REGULATORY INFORMATION****SYMBOLS**

Extremely Flammable



Dangerous for the environment

**RISK PHRASES**

R12 Extremely flammable.

**ULTRALUBE - AEROSOL**

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**

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
S16	Keep away from sources of ignition - No smoking.
S37	Wear suitable gloves.
S51	Use only in well-ventilated areas.

**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 Act 1974.

**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.

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.

**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** SEPTEMBER 2008

**REV. NO./REPL. SDS** 4

**GENERATED**

**SDS NO.** 11481

**RISK PHRASES IN FULL**

R12	Extremely flammable.
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.

## ULTRALUBE - AEROSOL

### 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.