



A CSW Industrials Company

SAFETY DATA SHEET

Issuing Date 04-Jun-2014

Revision Date 04-May-2016

Revision Number 1

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Code(s) 377

Product Name JET-LUBE® ALCO EP 73™

Synonyms ALCO EP 73™ , ILEX ALCO EP 73™

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Lubricants, Greases and Release Products Sealant

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Importer	Company
Jet-Lube (UK) Ltd	Jet-Lube, Inc.
Jet-Lube House	4849 Homestead Rd.
Reform Road	Suite 232
Maidenhead	Houston, Texas 77028
Berkshire UK	TEL: 713-670-5700 (7:00 a.m. - 5 p.m.)
SL6 8BY	
TEL: 44 1628-631913 (8:00 a.m. - 5:00 p.m.)	

For further information, please contact

E-mail Address doldiges@jetlube.com

1.4. Emergency telephone number

Emergency Telephone Number CHEMTREC: 703-741-5500

Europe 112

Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Chronic Aquatic Toxicity	Category 3
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Physical Hazards

None

2.2. Label Elements

Hazard Statements

H412 - Harmful to aquatic life with long lasting effects
EUH210 - Safety data sheet available on request

Precautionary Statements

P273 - Avoid release to the environment
P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other information

No information available.

Section 3. Composition/information on ingredients**3.1. Substances****3.2. Mixtures**

Chemical Name	EC-No	CAS-No	Weight %	EU - GHS Substance Classification	REACH No.
Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc.	278-011-7	74869-21-9	90-95	Carc. 1B (H350)	No data available
Antimony, tris(dipentylcarbamodithioato-S,S'), (OC-6-11)-	240-028-2	15890-25-2	2-5	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Aquatic Chronic 2 (H411)	No data available
Calcium petroleum sulfonate	263-093-9	61789-86-4	1-2	Eye Irrit. 2 (H319)	No data available

For the full text of the H-Statements mentioned in this Section, see Section 16**Note**

The full refining history is known for this product and it can be shown that the substance from which it is produced is not a carcinogen. This note applies only to certain complex oil derived substances in Annex I.

Section 4. First aid measures**4.1. Description of first-aid measures**

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice.
Inhalation	Move to fresh air.

4.2. Most important symptoms and effects, both acute and delayed**Most Important Symptoms/Effects** No information available.**4.3. Indication of immediate medical attention and special treatment needed****Notes to Physician** Treat symptomatically.**Section 5. Fire-fighting measures****5.1. Extinguishing media****Suitable Extinguishing Media**

Dry powder. Carbon dioxide (CO₂). Foam. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

Burning produces obnoxious and toxic fumes. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Heavy metal compounds.

5.3. Advice for firefighters**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2. Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains. Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and materials for containment and cleaning up

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling**Handling**

Wear personal protective equipment. Ensure adequate ventilation.

Hygiene Measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep in a bonded area

7.3. Specific end use(s)**Exposure Scenario**

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters**Exposure Limits**

Chemical Name	EU	Austria	Belgium	Cyprus	Denmark
Antimony, tris(dipentylcarbamodithioato- S,S'), (OC-6-11)- 15890-25-2		STEL: 1.5 mg/m ³ TWA: 0.5 mg/m ³			TWA: 0.5 mg/m ³
Chemical Name	Finland	France	Germany	Gibraltar	Greece

Antimony, tris(dipentylcarbamodithioato- S,S'), (OC-6-11)- 15890-25-2	TWA: 0.5 mg/m ³	TWA: 0.5 mg/m ³			
Calcium petroleum sulfonate 61789-86-4			TWA: 5 mg/m ³ Ceiling / Peak: 20 mg/m ³ Repr*		
Chemical Name	Ireland	Italy	Lithuania	Luxembourg	Malta
Antimony, tris(dipentylcarbamodithioato- S,S'), (OC-6-11)- 15890-25-2	TWA: 0.5 mg/m ³ STEL: 1.5 mg/m ³				
Chemical Name	The Netherlands	Norway	Poland	Portugal	Spain
Antimony, tris(dipentylcarbamodithioato- S,S'), (OC-6-11)- 15890-25-2	TWA: 0.5 mg/m ³	TWA: 0.5 mg/m ³ STEL: 0.5 mg/m ³		TWA: 0.5 mg/m ³	TWA: 0.5 mg/m ³
Chemical Name	Switzerland		Sweden		The United Kingdom
Antimony, tris(dipentylcarbamodithioato-S,S'), (OC-6-11)- 15890-25-2					TWA: 0.5 mg/m ³

Legend:

TWA (Time weighted Average) STEL (Short Term Exposure Limit) Ceiling Limit Value The notations represented by an * may not be consistent with Harmonized Classifications, but are being presented for information purposes only. Repr* - Reproductive

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment**Eye Protection**

Safety glasses with side-shields.

Skin and Body Protection

Long sleeved clothing.

Hand Protection

Impervious gloves. Nitrile rubber. Viton (R). Neoprene.

Respiratory Protection

None required under normal usage. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Environmental Exposure Controls Local authorities should be advised if significant spillages cannot be contained. Do not allow material to contaminate ground water system. Prevent product from entering drains.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State Semi-fluid (gel) **Appearance** Red
Odor Petroleum Oil-Pungent

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	Neutral	None known
Melting Point/Range	> 232 °C / >450 °F	None known
Boiling Point/Boiling Range	> 316 °C / 600.8 °F	None known
Flash Point	> 221 °C	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known

Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available	None known
Water Solubility	Insoluble in water.	None known
Solubility in other solvents	Largely	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Explosive Properties	No data available	
Oxidizing Properties	No data available	

9.2. Other information

VOC Content (%)	None
Flammability Limits in Air	No data available

Section 10. Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Incompatible products.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

None under normal use.

Section 11. Toxicological information

11.1. Information on toxicological effects**Acute Toxicity****Product Information****Inhalation****Eye Contact****Skin Contact****Ingestion**

None known.

Contact with eyes may cause irritation.

None known.

Not an expected route of exposure. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc.	= 2280 mg/kg (Rat)		
Calcium petroleum sulfonate	> 5000 mg/kg (Rat)	> 4000 mg/kg (Rabbit)	

Sensitization

None known.

Mutagenic Effects	None known.
Carcinogenic Effects	None known.
Reproductive Toxicity	None known.
Developmental Toxicity	None known.
STOT - single exposure	None known
STOT - repeated exposure	None known
Target Organ Effects	Central vascular system (CVS). Eyes. Respiratory system. Skin.
Aspiration Hazard	Not applicable

Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects

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

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc.	>1001 mg/l	LC50 96 h: > 2000 mg/L (Salmo gairdneri)		
Calcium petroleum sulfonate		LC50 96 h: 5.7 - 9.7 mg/L static (Pimephales promelas) LC50 96 h: 1.0 - 10.0 mg/L semi-static (Pimephales promelas)		EC50 48 h: 6.2 - 12 mg/L (Daphnia magna)
Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to aquatic invertebrates
Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc.	EC50 >1001 mg/l	LC50 >1000 mg/l		LC50 = 247.2 mg/l

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods

Waste from Residues / Unused Products	Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations
Contaminated Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
Other Information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information

IMDG/IMO

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Marine Pollutant	None
14.6. Special Provisions	None
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

RID

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None
14.6. Special Provisions	None

ADR

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None
14.6. Special Provisions	None

ICAO

14.1. UN-Number	Not regulated.
14.2. Proper shipping name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None
14.6. Special Provisions	None

IATA

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.

14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None
14.6. Special Provisions	None

Section 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

WGK Classification Water endangering class = 1

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Not determined
IECSC	Complies
AICS	Complies
KECL	Not determined

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information

Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed

H332 - Harmful if inhaled

H411 - Toxic to aquatic life with long lasting effects

H319 - Causes serious eye irritation

H350 - May cause cancer

H412 - Harmful to aquatic life with long lasting effects

Key literature references and sources for data

www.ChemADVISOR.com/

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Revision Note Change to classification, Update to Format.

This safety data sheet complies with the requirements of Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No. 1907/2006

General Disclaimer

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End of Safety Data Sheet