



# SAFETY DATA SHEET

Issuing Date 29-Jun-2015

Revision Date 29-Jun-2015

Revision Number 0

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

### 1.1. Product identifier

Product Code(s) 340

Product Name WRL™

Synonyms JET-LUBE® WRL™; ILEX WRL™

### 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

<b>Importer</b>	<b>Company</b>
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: +1-703-527-3887 (INTERNATIONAL)  
1-800-424-9300 (NORTH AMERICA)

Europe 112

## Section 2. Hazards identification

### 2.1. - Classification of the substance or mixture

#### REGULATION (EC) No 1272/2008

Skin Sensitization	Category 1
Chronic Aquatic Toxicity	Category 2

#### Physical Hazards

None

### 2.2. Label Elements



**Signal Word****Warning****Hazard Statements**

H317 - May cause an allergic skin reaction  
 H411 - Toxic to aquatic life with long lasting effects  
 EUH210 - Safety data sheet available on request

**Precautionary Statements**

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection  
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
 P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention  
 P363 - Wash contaminated clothing before reuse  
 P273 - Avoid release to the environment  
 P391 - Collect spillage

**2.3. Other information**

## Section 3. Composition/information on ingredients

**3.1. Substances**

Chemical Name	EC-No	CAS-No	Weight %	EU - GHS Substance Classification	REACH No.
Petroleum distillates, hydrotreated heavy naphthenic	Present	64742-52-5	90-100	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
Polysulfides, di-tert-Bu	273-103-3	68937-96-2	2-5	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	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, also under the eyelids. If symptoms persist, call a physician.

**Skin Contact**

May cause an allergic skin reaction. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions see a physician.

**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** May cause allergic skin reaction.

#### **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 (CO<sub>2</sub>). 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. Avoid contact with skin, eyes and clothing.

#### **6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so. 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**

Take up mechanically and collect in suitable container for disposal.

#### **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. Avoid contact with skin, eyes and clothing.

##### **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.

#### **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	The United Kingdom	France	Spain	Germany
Antimony, tris(dipentylcarbamodithioato- S,S'), (OC-6-11)- 15890-25-2		TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	
Component	Italy	Portugal	The Netherlands	Finland	Denmark
Antimony, tris(dipentylcarbamodithioato- S,S'), (OC-6-11)- 15890-25-2 ( 2-5 )		TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Antimony, tris(dipentylcarbamodithioato- S,S'), (OC-6-11)- 15890-25-2	STEL 1.5 mg/m <sup>3</sup> TWA: 0.5 mg/m <sup>3</sup>			TWA: 0.5 mg/m <sup>3</sup> STEL: 1.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>

**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**

No special protective equipment required. Risk of contact: Safety glasses with side-shields.

**Skin and Body Protection**

Long sleeved clothing.

**Hand Protection**

Wear nitrile or rubber gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

**Respiratory Protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Environmental Exposure Controls** Do not allow material to contaminate ground water system.

**Section 9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

**Physical State** Liquid  
**Odor** Petroleum Oil-Pungent  
**Appearance** Pale yellow to amber

<b>Property</b>	<b>Values</b>	<b>Remarks/ - Method</b>
<b>pH</b>	Neutral	None known
<b>Melting Point/Range</b>	< -40 °C / < -40 °F	None known
<b>Boiling Point/Boiling Range</b>	< 260 °C / 500 °F	None known
<b>Flash Point</b>	> 160 °C / 320 °F	Open cup
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Vapor Pressure</b>	No data available	None known
<b>Vapor Density</b>	No data available	None known

Relative Density	0.90	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	20 cSt @ 40°C	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**

None known.

**Eye Contact**

Contact with eyes may cause irritation.

**Skin Contact**

May cause allergic skin reaction

**Ingestion**

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

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Polysulfides, di-tert-Bu	= 6500 mg/kg ( Rat )		

**Sensitization**

May cause sensitization of susceptible persons. May cause sensitization by skin contact.

**Mutagenic Effects**

None known.

**Carcinogenic Effects**

No information available.

**Reproductive Toxicity**

None known.

**Developmental Toxicity**

None known.

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

**Aspiration Hazard**

No information available.

## Section 12. Ecological information

### 12.1. Toxicity

#### Ecotoxicity Effects

Toxic to aquatic life with long lasting effects

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Petroleum distillates, hydrotreated heavy naphthenic		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)
Polysulfides, di-tert-Bu		LC50 96 h: 250-500 mg/L static (Pimephales promelas) LC50 96 h: > 1000 mg/L semi-static (Pimephales promelas)		EC50 48 h: > 1000 mg/L (Daphnia magna)

### 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

UN3082

##### 14.2. Proper Shipping Name

Environmentally hazardous substance, liquid, n.o.s.

14.3. Hazard Class	9
14.4. Packing Group	III
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Antimony, tris(dipentylcarbomodithioato-S,S`)-, (OC-6-11)-, Polysulfides, di-tert-Bu), 9, III, Marine Pollutant
14.5. Marine Pollutant	None.
Environmental hazard	yes
14.6. Special Provisions	None.
EmS No.	F-A, S-F
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	UN3082
14.2. Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s.
14.3. Hazard Class	9
14.4. Packing Group	III
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Antimony, tris(dipentylcarbomodithioato-S,S`)-, (OC-6-11)-, Polysulfides, di-tert-Bu), 9, III
14.5. Environmental hazard	yes
14.6. Special Provisions	None.
Classification Code	M6

**ADR**

14.1. UN-Number	UN3082
14.2. Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s.
14.3. Hazard Class	9
14.4. Packing Group	III
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Antimony, tris(dipentylcarbomodithioato-S,S`)-, (OC-6-11)-, Polysulfides, di-tert-Bu), 9, III, (E)
14.5. Environmental hazard	yes
14.6. Special Provisions	None.
Classification Code	M6
Tunnel Restriction Code	(E)

**ICAO**

14.1. UN-Number	UN3082
14.2. Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
14.3. Hazard Class	9
14.4. Packing Group	III
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Antimony, tris(dipentylcarbomodithioato-S,S`)-, (OC-6-11)-, Polysulfides, di-tert-Bu), 9, III
14.5. Environmental hazard	yes
14.6. Special Provisions	None.

**IATA**

14.1. UN-Number	UN3082
14.2. Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s.
14.3. Hazard Class	9
14.4. Packing Group	III
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Antimony, tris(dipentylcarbomodithioato-S,S`)-, (OC-6-11)-, Polysulfides, di-tert-Bu), 9, III
14.5. Environmental hazard	yes
14.6. Special Provisions	None.
ERG Code	9L

<b>Section 15. Regulatory information</b>
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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**WGK Classification** Water endangering class = 2

#### International Inventories

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>PICCS</b>	Complies
<b>ENCS</b>	Not determined
<b>IECSC</b>	Complies -
<b>AICS</b>	Complies
<b>KECL</b>	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  
H350 - May cause cancer if swallowed  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects  
EUH210 - Safety data sheet available on request

#### Key literature references and sources for data

[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

<b>Issuing Date</b>	29-Jun-2015
<b>Revision Date</b>	29-Jun-2015
<b>Revision Note</b>	Initial Release.

This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

#### General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet