



# SAFETY DATA SHEET

Issuing Date 23-Jul-2015

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Revision Number 0

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

### 1.1. Product identifier

Product Code(s) 13241

Product Name JET-LUBE® RUST GUARD™ AEROSOL

Synonyms RUST GUARD™ AEROSOL

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

Recommended Use Lubricants, Greases and Release Products, metal surface treatment product

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: +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

Aspiration Toxicity	Category 1
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3

#### Physical Hazards

Flammable aerosols	Category 1
Gases under pressure	Compressed gas

### 2.2. Label Elements



Signal Word

Danger

**Hazard Statements**

- H304 - May be fatal if swallowed and enters airways
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H335 - May cause respiratory irritation
- H336 - May cause drowsiness or dizziness
- H222 - Extremely flammable aerosol
- H280 - Contains gas under pressure; may explode if heated
- EUH210 - Safety data sheet available on request

**Precautionary Statements**

- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
- P362 - Take off contaminated clothing and wash before reuse
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- P211 - Do not spray on an open flame or other ignition source
- P251 - Pressurized container: Do not pierce or burn, even after use
- P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F

**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.
Solvent blend	Present	64742-88-7	40-48	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304)	No data available
Oxidized petroleum resins, calcium salt	-	-	30.1-50.0	STOT SE 3 (H335) STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	No data available
Calcium petroleum sulfonate	263-093-9	61789-86-4	5-10	Eye Irrit. 2 (H319)	No data available
Carbon dioxide	204-696-9	124-38-9	2-5		No data available

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

## Section 4. First aid measures

### 4.1. Description of first-aid measures

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician. In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
<b>Ingestion</b>	Not an expected route of exposure. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary
<b>Inhalation</b>	Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
<b>Protection of First-aiders</b>	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 4.2. Most important symptoms and effects, both acute and delayed

**Most Important Symptoms/Effects** Itching. Rashes. Drowsiness. Dizziness.

### 4.3. Indication of immediate medical attention and special treatment needed

**Notes to Physician** Smallest quantities reaching the lungs through swallowing or subsequent vomiting may result in lung edema or pneumonia

## Section 5. Fire-fighting measures

### 5.1. Extinguishing media

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Extinguishing media which must not be used for safety reasons

No information available.

### 5.2. Special hazards arising from the substance or mixture

#### Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Keep product and empty container away from heat and sources of ignition. Containers may explode when heated.

### 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

Ensure adequate ventilation. Remove all sources of ignition. Do not touch or walk through spilled material. Contents under pressure. In case of rupture: Refer to Section 8 for personal protective equipment.

### 6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. See Section 12 for additional Ecological Information.

### 6.3. Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Keep in suitable, closed containers 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. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Do not breathe vapors or spray mist. Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation.

#### **Hygiene Measures**

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight.

### 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
Carbon dioxide 124-38-9	TWA 5000 ppm TWA 9000 mg/m <sup>3</sup>	STEL: 15000 ppm STEL: 27400 mg/m <sup>3</sup> TWA: 5000 ppm TWA: 9150 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9150 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9100 mg/m <sup>3</sup> Ceiling / Peak: 10000 ppm Ceiling / Peak: 18200 mg/m <sup>3</sup>
<b>Component</b>	<b>Italy</b>	<b>Portugal</b>	<b>The Netherlands</b>	<b>Finland</b>	<b>Denmark</b>

Carbon dioxide 124-38-9 ( 2-5 )	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>	STEL: 30000 ppm TWA: 5000 ppm	TWA: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> TWA: 9100 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>
<b>Chemical Name</b>	<b>Austria</b>	<b>Switzerland</b>	<b>Poland</b>	<b>Norway</b>	<b>Ireland</b>
Carbon dioxide 124-38-9	STEL 10000 ppm STEL 18000 mg/m <sup>3</sup> TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>	STEL: 27000 mg/m <sup>3</sup> TWA: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> STEL: 5000 ppm STEL: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>
<b>Component</b>	<b>Romania</b>	<b>Slovakia</b>	<b>Latvia</b>	<b>Bulgaria</b>	
Carbon dioxide 124-38-9 ( 2-5 )	5 % hemoglobin blood end of shift Carbon monoxide				

**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** Lightweight protective clothing.  
**Hand Protection** Protective gloves.  
**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

**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

<b>Physical State</b>	Liquid, Aerosol	<b>Appearance</b>	Blue
<b>Odor</b>	Petroleum		
<b>Property</b>	<b>Values</b>	<b>Remarks/ - Method</b>	
<b>pH</b>	Neutral	None known	
<b>Melting Point/Range</b>	-50 °C	None known	
<b>Boiling Point/Boiling Range</b>	157 °C / 315 °F	None known	
<b>Flash Point</b>	> 60 °C / 140 °F	None known	
<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	
<b>Relative Density</b>	0.85	None known	
<b>Water Solubility</b>	Insoluble	None known	
<b>Solubility in other solvents</b>	Completely soluble	None known	
<b>Partition coefficient: n-octanol/water</b>	No data available	None known	
<b>Autoignition Temperature</b>	No data available	None known	
<b>Decomposition Temperature</b>	No data available	None known	
<b>Viscosity</b>	No data available	None known	
<b>Flammable Properties</b>	Flammable liquid.		
<b>Explosive Properties</b>	No data available		
<b>Oxidizing Properties</b>	No data available		

### 9.2. Other information

**VOC Content (%)** No information available  
**VOC (g/l)** 406  
**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

Heat, flames and sparks. Incompatible products.

### 10.5. Incompatible materials

Strong oxidizing agents. Strong acids.

### 10.6. Hazardous decomposition products

None under normal use.

## Section 11. Toxicological information

### 11.1. Information on toxicological effects

#### Acute Toxicity

##### Product Information

##### Inhalation

May cause irritation of respiratory tract. May cause drowsiness and dizziness.

##### Eye Contact

Causes serious eye irritation.

##### Skin Contact

Causes skin irritation. May be harmful in contact with skin.

##### Ingestion

Not an expected route of exposure. May be harmful if swallowed. Potential for aspiration if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Solvent blend	> 5000 mg/kg ( Rat )	= 3000 mg/kg ( Rabbit )	> 5.28 mg/L ( Rat ) 4 h
Carbon dioxide			470000 ppm (Rat)

#### 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

Eyes. Respiratory system. Skin.

#### Aspiration Hazard

May be fatal if swallowed and enters airways

## 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)

Solvent blend	EC50 96 h: = 450 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 800 mg/L static (Pimephales promelas)		EC50 48 h: > 100 mg/L (Daphnia magna)
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)

**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**

<b>14.1. UN-Number</b>	UN1950
<b>14.2. Proper Shipping Name</b>	Aerosols
<b>14.3. Hazard Class</b>	2
<b>Subsidiary Class</b>	See SP63
<b>14.4. Packing Group</b>	Not regulated.
<b>Description</b>	UN1950, Aerosols, 2.1 (See SP63), (60°C c.c.)
<b>14.5. Marine Pollutant</b>	None.
<b>14.6. Special Provisions</b>	None.
<b>EmS No.</b>	F-D, S-U
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No information available.

**RID**

14.1. UN-Number	UN1950
14.2. Proper Shipping Name	Aerosols
14.3. Hazard Class	2
14.4. Packing Group	Not regulated.
Description	UN1950, Aerosols, 2.1
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
Classification Code	5F

**ADR**

14.1. UN-Number	UN1950
14.2. Proper Shipping Name	Aerosols
14.3. Hazard Class	2
14.4. Packing Group	Not regulated.
Description	UN1950, Aerosols, 2.1, (D)
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
Classification Code	5F
Tunnel Restriction Code	(D)

**ICAO**

14.1. UN-Number	UN1950
14.2. Proper shipping name	Aerosols
14.3. Hazard Class	2.1
14.4. Packing Group	Not regulated.
Description	UN1950, Aerosols, 2.1
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

**IATA**

14.1. UN-Number	UN1950
14.2. Proper Shipping Name	Aerosols, flammable
14.3. Hazard Class	2.1
14.4. Packing Group	Not regulated.
Description	UN1950, Aerosols, flammable, 2.1
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
ERG Code	10L

**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	Not determined
ENCS	Not determined
IECSC	-
AICS	Not determined
KECL	Not determined

**Legend**



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**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**

H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H226 - Flammable liquid and vapor  
H222 - Extremely flammable aerosol  
H280 - Contains gas under pressure; may explode if heated  
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>	23-Jul-2015
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<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**