



SAFETY DATA SHEET
JET-LUBE RUST GUARD - Aerosol
 Product classified as hazardous according to NOHSC classification

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Product Name: JET-LUBE RUST GUARD - Aerosol

Use of the substance/preparation: Rust inhibiting coating

Company/undertaking identification

Manufacturer: Jet-Lube, Inc.
 4849 Homestead Rd., Suite 232
 Houston, TX 77028
 Email: doldiges@jetlube.com

Australian Contact: Xtex Pty. Ltd
 ABN 40 121 722 236
 80 Daly Street

Emergency telephone numbers: Ascot, WA 6104 1300-00-9839 phone 0437-272-490 mobile
 Australian Poison Information Centre 13-11-26

2. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification: Not classified

Physical/chemical hazards: Not applicable

Human health hazards: Not applicable

Environmental hazards: Not applicable

See section 11 for more detailed information on health effects and symptoms.

3. Composition /information on ingredients

Substance/preparation:

Preparation

Ingredient name	CAS Number	EC Number	%	Classification
Solvent Naphtha (petroleum), Medium Aliphatic, or	64742-88-7	265-149-8	40 - 48	Xn; R65, or Not classified
Solvent Naphtha (petroleum), Medium Aliphatic.	8052-41-3	2-489-3	23	Carc. Cat. 2; R45 - Muta. Cat. 2; R46 - Xn; R65
Calcium sulfonate	61789-86-4	263-093-9	5 - 10	Not classified
Oxidized petroleum resins, calcium salt	Not disclosed	UN	30.1 - 50.0	Not classified
Blue Dye (oil soluble mixture of diethylamino and dimethylamino anthraquinones)	74499-36-8	Not found	0.4 - 0.7	Not classified
Carbon Dioxide Propellant	124-38-9		2 - 5	
May contain the following as contaminant:				
Trimethyl Benzene	95-63-6	202-436-9	0 - 4.5	R10 - Xn; R20 - Xi; R36/37/38 - N; R51-53
Ethyl Benzene	100-41-4	202-849-4	0 - 0.45	F; R11 - Xn; R20
Xylene	1330-20-7	215-535-7	0 - 2.2	R10 - Xn; R20/21 - Xi; R38

May contain a solvent with levels of ethylbenzene just above the reportable levels which would require carcinogenic listing.

Risk Phrases:

R65; Harmful: may cause lung damage if swallowed. R51/53: R66: R67

Safety Phrases:

S23; Do not breathe vapour / spray S24; Avoid contact with skin. S62; If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

* Occupational Exposure Limit(s), if available, are listed in Section 8

4. First aid measures

Effects and symptoms

Inhalation: May be irritating lungs.

Ingestion: Seek immediate medical attention. Do not induce vomiting.

Skin Contact: Repeated exposure may cause skin dryness, irritation or cracking.

Eye contact: May be irritating to the eyes.

First aid measures

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Inhalation:	Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Seek medical attention if symptoms occur. If unconscious, place in recovery position and seek medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Ingestion:	Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Seek medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, etc.
Skin contact:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Seek medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Seek medical attention if irritation occurs.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media:	Use water fog, foam, dry chemical or carbon dioxide (CO ₂) to extinguish flames.
Inappropriate Extinguishing Media:	Straight streams of water
Special exposures hazards:	
Hazardous thermal decomposition products:	Smoke, Fume, Incomplete combustion products. Oxides of carbon, sulfur & nitrogen.
Special protective equipment for fire-fighters:	Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

6. Accidental release measures

Personal precautions:	None required
Environmental precautions:	Prevent entry into waterways, Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains, sewers, basements or confined areas. Dyke far ahead of liquid spill for later recovery and disposal.
Methods for cleaning up:	<p>Land Spill: Stop leak if you can do so without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Recover by pumping or with suitable absorbent.</p> <p>Water Spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.</p> <p>Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.</p>

7. Handling and storage

Handling:	Wash thoroughly after handling.
Storage:	Store in a cool, well-ventilated area. Storage containers should be earthed and bonded. Drums must be earthed and bonded and equipped with self-closing valves, pressure vacuum bungs and flame arresters. Storage Temperature: [0C(-18F)-35C (95F)] Storage Pressure: [Ambient]
Packaging materials	
Recommended:	Use original container.
Specific uses:	Not available.

8. Exposure controls/personal protection

Ingredient Name:	Occupational exposure limits
Solvent Naphtha (petroleum), Medium Aliphatic	TLV (United States (US)) TWA: 500 mg/m ³ PEL: 500 ppm, 525 mg/m ³
Solvent Naphtha (petroleum), Medium Aliphatic	TLV (United States (US)) 5 mg/m ³ Form: Oil Mist PEL: 5 mg/m ³ Form: Oil Mist
May contain as contaminant	
Trimethyl Benzene	TLV (United States (US))

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Ethyl Benzene	TWA: 25 ppm, 125 mg/m ³ PEL: 125 mg/m ³ TLV (United States (US)) 434 mg/m ³
Xylene	PEL: 543 mg/m ³ , Frequency: 4 times, schedule: 15 minutes TLV (United States (US)) 434 mg/m ³ PEL: 651 mg/m ³ , Frequency: 4 times, schedule: 15 minutes

Exposure controls

Occupational exposure controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection:

No respiratory equipment is required for normal use. In the case of extreme temperatures, a dry residue will result when the grease & oils burn off. Where workers may be exposed to the dust during removal of the film use of air-purifying respirators or dust masks is suggested.

Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Skin protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

9. Physical and chemical properties

Physical state:	Semi- Fluid Liquid
Color:	Blue
Odor:	mild petroleum/solvent
pH:	Neutral
Boiling point:	157°C (315°F)
Melting point:	-70°C (-95°F)
Flash point:	>75C (167°F) [ASTM D-93]
Flammability (solid, gas):	Flammable to combustible
Explosive properties:	Nil at ambient conditions
Explosive limits:	(Approximate volume % in air): LEL: 1.0 %V UEL: 6.0 %V
Oxidizing properties:	None
Vapor pressure:	0.012 kPa (0.09 mm Hg) at 20°C 0.044 kPa (0.33 mm Hg) at 38C
Specific gravity:	0.85
Density:	850 kg/m ³ (7.1 lbs/gal, 0.85 kg/dm ³)
Solubility:	Negligible in water.
Octanol/water partition coefficient:	3.3 - >6
Viscosity:	Viscous like oil
Vapor density:	< 4.9 at 101 kPa
Evaporation rate (butyl acetate = 1):	<0.11 compared with Butyl acetate
Auto-ignition temperature:	>232°C (450°F)

10. Stability and reactivity

Stability:	The product is stable
Conditions to avoid:	Keep away from sources of ignition. Keep away from heat.
Materials to avoid:	Not available
Hazardous Decomposition products:	Some metallic oxides.
Hazardous polymerization:	Not available

11. Toxicological information

Potential acute health effects

Inhalation - Toxicity:	Minimally Toxic. Based on test data for the material.
Inhalation - Irritation:	Negligible hazard at ambient/normal handling temperatures.
Ingestion:	No known significant effects or critical hazards.
Skin contact:	May be mildly irritating to skin with prolonged exposure.
Eye contact:	May cause mild, short-lasting discomfort to eyes.

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Solvent Naphtha (petroleum), Medium Aliphatic.	LD -50, Draize 72 Hrs.	>5000 mg/kg	Acute Oral	Rat
Solvent Naphtha (petroleum), Medium Aliphatic.	LD-50 - 14 days	>3000 mg/kg	Skin test -	Rabbit
Calcium dodecylbenzenesulphonate	LD -50, Draize 72 Hrs.	>4000 mg/kg	Skin test -	Rabbit
Calcium dodecylbenzenesulphonate	LD-50 - 14 days	>20,000 mg/kg BW	Ingestion	Rat
Oxidized petroleum resins, calcium salt				

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May contain as contaminant

Trimethyl Benzene	LD-50, 72 Hrs.	6000 mg/kg	Acute Oral	Rat
	LC-50, 4 Hrs.	18 $\mu\text{g}/\text{m}^3$	Inhalation	Rat
	LD-50 - 14 days	>2000 mg/kg	Skin test -	Rabbit
Ethyl Benzene	LD-50, 72 Hrs.	3500 mg/kg	Acute Oral	Rat
	LC-Lo, 4 Hrs.	4000 ppm	Inhalation	Rat
	LD-50 - 14 days	>17,800 mg/kg	Skin test -	Rabbit
Xylene	LD-50, 72 Hrs.	4300 mg/kg	Acute Oral	Rat
	LC-Lo, 4 Hrs.	No data available	Inhalation	Rat
	LD-50, 72 Hrs.	>2000 mg/kg	Skin test -	Rabbit

High Pressure Injection:

Seek medical advice immediately for subcutaneous injection.

Potential chronic health effects

Carcinogenicity:

May contain small amounts of Ethylbenzene which is known to cause cancer.

Australian National Health & Safety Commission (NOSC):

May contain small amounts of Ethylbenzene which is known to cause cancer.

California Prop 65:

May contain small amounts of Ethylbenzene which is known to cause cancer.

Mutagenicity:

No known significant effects or critical hazards.

Reproductive toxicity:

No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation:

No known significant effects or critical hazards as high viscosity makes inhalation unlikely.

Ingestion:

No known significant effects or critical hazards as grease results in gastric distress negating bioaccumulation concerns.

Skin:

No known significant effects or critical hazards.

Target organs:

No known significant effects or critical hazards.

Other adverse effects:

Not available

12. Ecological information

Ecotoxicity data

Not expected to be harmful to aquatic organisms

Ingredient name

Ingredient name	Species	Period	Result	
Solvent Naphtha (petroleum), Medium Aliphatic.	Crustcea	Daphnia magna	LC50 (48 HR.)	> 100 mg/L
Solvent Naphtha (petroleum), Medium Aliphatic.	Algea	Selenastrum capricornatum	LC-50 - 96 hr	450 mg/L
Oxidized petroleum resins, calcium salt		No data available		No data available
Calcium sulfonate	fish	Pimephales promelas	LC50 (96 hour)	10 - 100 mg/L
Calcium sulfonate	Crustcea	Daphnia magna	LC50 (48 HR.)	6.2 - 12 mg/L
Calcium sulfonate	Algea	Selenastrum capricornatum	LC-50 - 96 hr	120 - 500 mg/L

May contain as contaminant

Trimethyl Benzene	Crustcea	Daphnia magna	LC50 (48 HR.)	6.14 mg/L
	Fish	Oncorhynchus mykiss	LC50	9.22 mg/L
Ethyl benzene	fish	Pimephales promelas	LC50 (96 hour)	48.5 mg/L
	Crustcea	Daphnia magna	LC50 (48 HR.)	77 mg/L
	Crustcea	Daphnia magna	EC50 (24 HR.)	184 mg/L
	Algea	Selenastrum capricornatum	LC-50 - 96 hr	>438 mg/L
Xylene	fish	Pimephales promelas	LC50 (96 hour)	26,700 ug/L
	Crustcea	Daphnia magna	EC50 (24 HR.)	150,000 ug/L

Biodegradation:

Solvent portion biodegrades 55-63% in 28 days in OECD 301B tests.

Other ecological information

Mobility:

Material -- Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.

Other adverse effects:

No known significant effects or critical hazards.

13. Disposal consideration

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Methods of disposal:

The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Hazardous waste:

European Waste Code: 07 01 99 NOTE: These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use. Waste producers need to assess the actual process used when generating the waste and its contaminants in order to assign the proper waste disposal code(s).

14. Transport information

Hazchem code 1Z

International transport regulations

Regulatory information	UN Number	Proper shipping name	Class	Packing group	Label	Additional information
USA Dept of Transportation	1950	Consumer Comodoty ORM-D	2.2	None		
ADR/RID Class	1950	Aerosols, Nonflammable	2.2	None		-
ADNR Class	1950	Aerosols, Nonflammable	2.2	None		-
IMDG Class	1950	Aerosols, Nonflammable	2.2	None		-
IATA-DGR Class	1950	Aerosols, Nonflammable	2.2	None		-
Australia ADG Code	1950	Aerosols, Nonflammable	2.2	None		Reference SP-AU01

15. Regulatory information

Poison Schedule

Not scheduled

EU Regulations

Risk Phrases:

Safety Phrases:

R65; Harmful: may cause lung damage if swallowed. 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: Vapors may cause drowsiness and dizziness.
S23; Do not breathe vapour / spray S24; Avoid contact with skin. S29/35: Do not empty into drains; dispose of this material and its container in a safe way. S51: Use in well ventilated areas. S62; If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Product use:

Classification and labeling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use. Industrial applications.

Other EU regulations

Restrictions on the marketing and use directive:

Not applicable.

National regulations United Kingdom (UK)

COSHH:

The use of this chemical product must be in compliance with provisions included in COSHH (1999) and COSHH Essentials (1999).

US Regulations:

SARA 313 (40 CFR Part 372):

SARA 311/312:

TSCA: All components are listed. (See Section 3).

None above reportable limits

None

TSCA 12B Components: None

CERCLA RQ: N/A

TSCA REGULATORY: This material or its components are listed in the TSCA inventory.

RCRA Hazard class: N/A

OZONE DEPLETING CHEMICALS: None

Clean Air Act Sect 112 Hazardous Air Pollutants (HAPs):

(VOCs):

Nil

State Right to Know:

New Jersey: 64742-88-7, 8052-41-3, 61789-86-4, 124-38-9
Pennsylvania: 64742-88-7, 8052-41-3, 61789-86-4, 124-38-9
Massachusetts: 64742-88-7, 8052-41-3, 61789-86-4, 124-38-9
Rhode Island: 64742-88-7, 8052-41-3, 61789-86-4, 124-38-9

Canadian Regulations:

DSL: All components are listed. (See Section 3)

WHMIS: CLASS B-2: Not Controlled.

16. Other information

History

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Prepared by:



Name & Title

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Notice to reader:

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