



SAFETY DATA SHEET JET-LUBE WLD

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

Identification of the substance or preparation

Product Name: JET-LUBE WLD
Use of the substance/preparation: Lubricating grease
Company/undertaking identification
Manufacturer: Jet-Lube, Inc.

Australian Contact:

4849 Homestead Rd., Suite 232
Houston, TX 77028
Email: doldiges@jetlube.com USA Corporate phone: (713) 670-5700
Xtex Pty. Ltd
ABN 40 121 722 236
80 Daly Street
Ascot, WA 6104 1300-00-9839 phone 0437-272-490 mobile

Emergency telephone numbers:

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
Asphalt	8052-42-4	232-490-9	50 - 55	Not classified
Naphthenic Distillates	64742-52-5	255-155-0	5 - 10	Not classified
Organophilic clay	68953-58-2	273-219-4	5 - 10	Not classified
graphite	7782-42-5	231-95-3	10 - 15	Not classified
molybdenum disulfide	1317-33-5	215-263-9	2 - 5	Not classified
Trichloroethylene	79-01-6	203-43-8	5 - 10	
Organic Sulfur Compound	68937-96-2	273-103-3	5 - 10	
ethyl cellulose	9004-57-3	polymer	0 - 1	Polymer
The petroleum oils and additives do not require carcinogenic listing.				
See section 16 for the full test of the R Phrases declared above.				

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

The quantities of potential carcinogenic compounds detected in the oil are below the regulatory levels beyond which listing as carcinogenic material is required.

4. First aid measures

Effects and symptoms

Inhalation: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.
Skin Contact: No known significant effects or critical hazards.
Eye contact: No known significant effects or critical hazards.

First aid measures

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. Obtain medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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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. Obtain medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Obtain 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. Get medical attention if irritation occurs.

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

5. Fire-fighting measures

Extinguishing media: Use an extinguishing agent suitable for the surrounding fire.
Special exposures hazards: No specific hazard.
Hazardous thermal decomposition products: Oxides of carbon, sulfur & nitrogen.
Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions: None required

Environmental precautions: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Methods for cleaning up: If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

7. Handling and storage

Handling: Wash thoroughly after handling.
Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.
Packaging materials
Recommended: Use original container.
Specific uses: Not available.

8. Exposure controls/personal protection

<u>Ingredient Name:</u>	<u>Occupational exposure limits</u>
Asphalt	TLV (United States (US)) ACGIH TLV: MIST 5 mg/m ³ 8 hour/hours.
Naphthenic Distillates	TLV (United States (US)) ACGIH TLV: MIST 5 mg/m ³ 8 hour/hours. OSHA PEL: MIST 5 mg/m ³ 8 hour/hours. STEL: 10 mg/m ³ 10 minutes.
graphite, natural	EH40-WEL (United Kingdom (UK), 1/2005) TWA: 10 mg/m ³ 8 hour/hours. Form: Inhalable fraction STEL: 4 mg/m ³ 15 minute/minutes. Form: Respirable fraction
molybdenum disulfide	EH40-WEL (United Kingdom (UK), 9/2006). Notes: As Mo TWA: 10 mg/m ³ 65534 times per shift, 8 hour/hours. STEL: 20 mg/m ³ 65534 times per shift, 15 minute/minutes
Trichloroethylene	EH40-WEL (United Kingdom (UK), 1/2005)
Trichloroethylene	TWA: 550 mg/m ³ 8 hour/hours. Form: Inhalable fraction
Trichloroethylene	STEL: 820 mg/m ³ 15 minute/minutes. Form: Respirable fraction
Trichloroethylene	100 ppm OSHA TWA
Trichloroethylene	200 ppm OSHA ceiling
Trichloroethylene	300 ppm OSHA peak (5 minutes in any 3 hours)
Trichloroethylene	25 ppm (170 mg/m³) OSHA TWA (vacated by 58 FR 35338, June 30, 1993)

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Trichloroethylene
Trichloroethylene

25 ppm ACGIH TWA
100 ppm ACGIH STEL
Consult local authorities for acceptable exposure limits.

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:	Solid (paste)
Color:	Black
Odor:	pungent
pH:	Neutral
Boiling point:	Not available
Melting point:	>315°C (600°F)
Flash point:	Open cup: >310°C (590°F)
Flammability (solid, gas):	Not applicable
Explosive properties:	Not applicable
Explosive limits:	Lower: 0.9% Upper: 7%
Oxidizing properties:	Not available
Vapor pressure:	<0.01 kPa (<0.08 mm Hg) (at 20°C)
Specific gravity:	1.11
Density:	1.11 g/cm ³
Solubility:	Insoluble in cold water, hot water
Octanol/water partition coefficient:	Not available
Viscosity:	Not available
Vapor density:	>5 (Air = 1)
Evaporation rate (butyl acetate = 1):	<0.01 compared with Butyl acetate
Auto-ignition temperature:	>315°C (600°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:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.
Skin contact:	No known significant effects or critical hazards.
Eye contact:	No known significant effects or critical hazards.

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Hydrotreated residual Oils	<u>LD50</u>	<u>>5000 mg/kg bw</u>	<u>Oral</u>	<u>Rat</u>
Hydrotreated residual Oils	<u>LD50</u>	<u>>2000 mg/kg bw</u>	<u>Dermal</u>	<u>Rabbit</u>

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Naphthenic Distillates	LD50	>5000 mg/kg	Oral	Rat
Trichloroethylene	LD -50, 72 Hrs.	2629 mg/kg	Acute Oral	Rat
Trichloroethylene	LC -50	5340 mg/kg	Inhalation	Rabbit
Trichloroethylene	LC -50	4100 ppm 6 hours	Inhalation	Rat
Trichloroethylene	LC -50	44000 mg/m 4 hours	Inhalation	Mouse
Trichloroethylene	LD -50	2737 mg/kg	Acute Oral	Rat
Trichloroethylene	LD -50, Draize 24 Hrs.	>3228 mg/kg	Skin test -	Rabbit

Organic Sulfur Compound	LD50	>5000 mg/kg	Oral	Rat
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Potential chronic health effects

Carcinogenicity:

NTP: Anticipated Human Carcinogen; IARC: Human Limited Evidence, Animal Sufficient Evidence, Group 2A

California Prop 65:

This product contains a product known by the State of California to cause cancer.

Australian National Health & Safety Commission (NOSC):

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.

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

Ingredient name

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>	
Naphthenic Distillates	Algae	72 hr/hrs	(EC50),biomas 641 mg/l	
	Algae	72 hr/hrs	(EC50) ,growth >1000 mg/l	
Graphite	Fish (LC50)	96 hr/hrs	>1800 mg/l	
	Algae (EC50)	72 hr/hrs	>1000 mg/l	
Molybdenum disulfide	Skeletonema costatum (LC50)	72 hr/hrs	>1000 mg/l	
	Scophthalmus maximus (EC50)	96 hr/hrs	>1000 mg/l	
	Acartia tonsa (LC50)	48 hr/hrs	120 mg/l	
	Pimephales promelas	LC50 (96 HR.)	18.4 ppm	
Trichloroethylene	Fish	Bluegill	LC50 (96 HR.)	12.9 ppm
Trichloroethylene	Fish	Trout	LC50 (96 HR.)	5 ppm
Trichloroethylene	Invertebrate	Mysidopsis	LC50 (96 hour)	10.2 ppm
Trichloroethylene	Crustcea	Daphnia magna	LC50 (48 HR.)	18 mg/L
Organic Sulfur Compound	Fish , Pimephales promelas	LC50	96 hr/hrs	>1000 mg/l
	Crustacea, Daphnia magna	EC50	48 hr/hrs	>1000 mg/l
	Algae, Selenastrum capricornutum	EC50	96 hr/hrs	29-39 mg/l
		ERC50	96 hr/hrs	>100 mg/l

Other adverse effects:

No known significant effects or critical hazards.

13. Disposal consideration

Methods of disposal:

The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilt 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:

Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

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14. Transport information

International transport regulations

Regulatory information	UN Number	Proper shipping name	Class	Packing group	Label	Additional information
US Dept. of Transportation	Not regulated	-	-	-	-	-
ADR/RID Class	Not regulated	-	-	-	-	-
ADNR Class	Not regulated	-	-	-	-	-
IMDG Class	Not regulated	-	-	-	-	-
IATA-DGR Class	Not regulated	-	-	-	-	-
Canada - TDG	Not regulated	-	-	-	-	-

15. Regulatory information

EU Regulations

Risk Phrases:

This product is not classified according to EU legislation.

Safety Phrases:

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

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

Additional warning phrases:

Safety data sheet available for professional user on request.

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:

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

TSCA 12B Components: None

SARA 313 (40 CFR Part 372):

This material contains Materials which are subject to the reporting requirements.

SARA 311/312:

None

CERCLA RQ: N/A

OZONE DEPLETING CHEMICALS: None

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

RCRA Hazard class: N/A

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

TCE or PERC

Volatile Organic Chemicals (VOCs):

< 10%

State Right to Know:

New Jersey: 8052-42-4, 64741-96-4, 68953-58-2; 7782-42-5; 1317-33-5
 Pennsylvania: 8052-42-4, 64741-96-4, 68953-58-2; 7782-42-5; 1317-33-6
 Massachusetts: 8052-42-4, 64741-96-4, 68953-58-2; 7782-42-5; 1317-33-7
 Rhode Island: 8052-42-4, 64741-96-4, 68953-58-2; 7782-42-5; 1317-33-8

Canadian Regulations:

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

WHMIS: CLASS B-2: Not regulated

RoHS Compliance

This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

16. Other information

History

Date of printing:

January 1, 2014

Date of issue:

January 1, 2014

Date of previous issue:

No previous validation

Version:

1

Prepared by:

Donald Oldiges

Notice to reader:

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