



Conforms to Regulation (EC) No. 1907/2006 - United Kingdom (UK)

SAFETY DATA SHEET

JET-LOK II RESIN COMPONENT

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-LOK II RESIN COMPONENT
Use of the substance/preparation: Filled epoxy adhesive. Tubing, casing and line pipe and other equipment needs.

Company/undertaking identification

Manufacturer: Jet-Lube, Inc.
4849 Homestead Rd., Suite 232
Houston, TX 77028
Email: doldiges@jetlube.com USA Corporate phone: (713) 670-5700

Australian Contact:

Xtex Pty. Ltd
ABN 40 121 722 236
80 Daly Street
Ascot, WA 6104 1300-00-9839 phone 0437-272-490 mobile
NHS DIRECT in the UK USA: CHEMTREC: (800) 424-9300
Emergency number: 08454647 Outside US (Chemtrec): (703) 527-3887
Xtex Pty. Ltd 1300-00-XTEX

Emergency telephone numbers:

2. Hazards identification

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

Classification: R36/38
Xn: R20/22
R36/38
R43
N; R51/53
Physical/chemical hazards: Not applicable
Human health hazards: Harmful by inhalation and if swallowed.

Environmental hazards:

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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
Epoxy Resin	74869-21-9	40 - 60	278-011-7	Polymer
Aluminum, metallic	7429-90-5	20 - 25	231-072-3	
zinc, metallic	7440-66-6	20 - 25	231-175-3	N; R50/53
Silicone Dioxide	7631-86-9	10 - 15	231-545-4	Not classified
2,2-bis-(p-glycidyloxyphenyl)-propane	25068-38-6			
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: Harmful by inhalation.
Ingestion: Harmful if swallowed.
Skin Contact: No known significant effects or critical hazards.
Eye contact: No known significant effects or critical hazards.

First aid measures

Inhalation: Viscous nature makes inhalation highly unlikely. Maintain an open airway. Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

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Ingestion:

Get medical attention immediately. 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 thigh clothing such as a collar, tie, belt or waistband.

Skin contact:

For best results use a waterless hand cleaner or flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing or wear gloves. 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.

This material is very toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products:

These products are carbon oxides (CO, CO₂). Some metallic oxides.

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:

Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

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

Do not ingest. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Avoid contact of spilt material and runoff with soil and surface waterways. Wash thoroughly after handling.

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

Ingredient Name:

Occupational exposure limits

Aluminum

[EH40-WEL \(United Kingdom \(UK\), 9/2006\)](#)

TWA 10 mg/m³

USA PEL: 15 mg/m³

Zinc

NOT LISTED ON EH40-WEL (United Kingdom (UK), 9/2006).

NO TWA, PEL or STEL DATA found for metallic zinc

USA PEL: 15 mg/m³

Silica

[EH40-WEL \(United Kingdom \(UK\), 9/2006\)](#)

TWA 6 mg/m³

USA PEL: 20 mg/m³

ACGIH Threshold Limit Value (TLV):10 mg/m

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:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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:

Liquid (gel)

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Color:	gray to silver
Odor:	Petroleum pungent
pH:	Neutral
Boiling point:	>274°C (525.2°F)
Melting point:	>232°C (450°F)
Flash point:	Open cup: 221°C (429.8°F)
Flammability (solid, gas):	Not applicable
Explosive properties:	Not available
Explosive limits:	Lower: UN Upper: UN
Oxidizing properties:	Not available
Vapor pressure:	<0.01 kPa (<0.08 mm Hg) (at 20°C)
Specific gravity:	Not available
Density:	1.87 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:	>260°C (500°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:	Although encapsulated by resin, zinc can react with water and releases a flammable gas.
Hazardous Decomposition products:	Metallic oxides.
Hazardous polymerization:	Will not occur.

11. Toxicological information

Potential acute health effects

Inhalation:	Harmful by inhalation.
Ingestion:	Harmful if swallowed.
Skin contact:	No known significant effects or critical hazards.
Eye contact:	No known significant effects or critical hazards.

Acute toxicity

Ingredient name

Ingredient name	Test- Species	Route	Result
Aluminum, metal			
zinc			
zinc	LDLo - Duck	Oral	388 mg/kg
Zinc	Human, inhalation, TCLo: 50M	Inhalation	124 mg/kg
2,2-bis-(p-glycidylloxyphenyl)-propane	Rabbit, LD50	dermal	> 20 ml/Kg
	Rat, LD50	Oral	11.4 g/Kg

Potential chronic health effects

Ingredient name

Ingredient name	Carcinogenic effects	Mutagenic effects	Developmental toxicity	Impairs fertility
Carcinogenicity:	No known significant effects or critical hazards.			
California Prop 65:	None			
Australian National Health & Safety Commission (NOSC):	None			
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

Ingredient name	Species	Period	Result
zinc	Daphnia magna (EC50)	48 hr/hrs	2.8 mg/l
	Pimephales promelas (LC50)	96 hr/hrs	0.238 mg/l
	Pimephales promelas (LC50)	96 hr/hrs	6.4 mg/l
	Oncorhynchus mykiss (LC50)	96 hr/hrs	0.24 mg/l
	Oncorhynchus mykiss (LC50)	96 hr/hrs	0.41 mg/l
	Oncorhynchus mykiss (LC50)	96 hr/hrs	0.56 mg/l

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Aluminum, metal	Daphnia magna (EC50)	96 hr/hrs	0.57 mg/l
	Oncorhynchus mykiss (LC50)	96 hr/hrs	0.12 mg/l
	Oncorhynchus mykiss (LC50)	96 hr/hrs	0.16 mg/l
	Oncorhynchus mykiss (LC50)	96 hr/hrs	0.31 mg/l
	Acartia tonsa - LC50	48 hr/hrs	342 mg/L

2,2-bis-(p-glycidyloxyphenyl)-propane

Other ecological information

Persistence/degradability:

Ingredient name

BOD

Not available

COD

Not available

ThOD

Not available

Ingredient name

Aquatic half-life

Not available

Photolysis

Not available

Biodegradability

Not available

Other ecological information

Mobility:

Not available

Other adverse effects:

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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.

Waste classification:

A1020





Hazardous waste:

The classification of the product may meet the criteria for a hazardous waste.

14. Transport information

Hazchem code 1Z

International transport regulations

Regulatory information	UN Number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	3077	Environmentally hazardous substance, liquid, n.o.s. (zinc)	9	III		Limited quantity LQ7
ADNR Class	3077	Environmentally hazardous substance, liquid, n.o.s. (zinc)	9	III		-
IMDG Class	3077	Environmentally hazardous substance, liquid, n.o.s. (zinc), Marine Pollutant	9	III		Emergency schedules (EmS) F-A, S-F
IATA-DGR Class	3077	Environmentally hazardous substance, liquid, n.o.s. (zinc)	9	III		-
Australia ADG Code	Not regulated	same as above	-	-	-	Reference SP-AU01

15. Regulatory information

Poison Schedule

Not scheduled

EU Regulations

Hazard symbol/symbols:



Risk Phrases:

Toxic, dangerous for the environment.

R36/38 - Irritating to Skin & eyes

R43 - May cause sensitization by skin contact

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S24/S25 - Toxic in contact with skin and if swallowed.

S28 - After contact with skin, wash immediately with plenty of water.

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

S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

Contains:

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:

Not applicable.

Restrictions on the marketing and use directive:

Restricted to professional users.

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).

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US Regulations:

SARA 313 (40 CFR Part 372):

SARA 311/312:

CERCLA RQ: N/A

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): None

State Right to Know:

New Jersey:

Pennsylvania:

Massachusetts:

Rhode Island :

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 above the restricted levels.

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

TSCA 12B Components: None

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

None

OZONE DEPLETING CHEMICALS: None

Volatile Organic Chemicals (VOCs):

Nil

16. Other information

Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK):

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK):

Xn - Harmful
N - Dangerous for the environment.

History

Date of printing:

August 16, 2010

Date of issue:

August 16, 2010

Date of previous issue:

October 16, 2009

Version:

2

Prepared by:



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