



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

SAFETY DATA SHEET

JET-LUBE RUN N SEAL ECF

Product classified as non-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 RUN N SEAL ECF

Use of the substance/preparation: Thread lubricant and sealant

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

Emergency telephone numbers:

NHS DIRECT in the UK

USA: CHEMTREC:

(800) 424-9300

Emergency number: 08454647

Outside US (Chemtrec):

(703) 527-3887

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 |
|--|------------|-----------|---------|----------------|
| Lubricating grease (synthetic base) | Mixture | Mixture | 60 - 70 | Not classified |
| Calcium fluoride | 7789-75-5 | 232-188-7 | 25 - 35 | Not classified |
| pulp, cellulose | 65996-61-4 | 265-995-8 | 0 - 2.5 | Not classified |
| graphite, natural | 7782-42-5 | 231-95-3 | 5-10 | Not classified |
| The Petroleum Oils and additives do not require carcinogenic listing. | | | | |

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. Do not use water jet.

Special exposures hazards:

No specific hazard.

Hazardous thermal decomposition products:

These products are carbon, sulfur & nitrogen oxides, 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.

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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

| | |
|----------------------------|--|
| 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

| | |
|-------------------------|---|
| Ingredient Name: | Occupational exposure limits |
| calcium fluoride | EH40-WEL (United Kingdom (UK), 9/2006). Notes: As F TWA: 2,5 mg/m ³ 65534 times per shift, 8 hour/hours. |
| 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 |

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: | Silvery Black |
| Odor: | Rapeseed oil smell (slight) |
| pH: | Neutral |
| Boiling point: | Not available |
| Melting point: | >204°C (399.2°F) |
| Flash point: | Open cup: 221°C (429.8°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: | Not available |
| Density: | 1.32 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) |

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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: | Oxides of carbon and sulfur, 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

| Ingredient name | Test | Result | Route | Species |
|------------------------|-------------|---------------|--------------|----------------|
| calcium fluoride | LD50 | 4250 mg/kg | Oral | Rat |
| | LD50 | 4417 mg/kg | Oral | Rat |

Potential chronic health effects

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. No known significant effects or critical hazards as grease results in gastric distress negating bioaccumulation concerns. |
| Ingestion: | No known significant effects or critical hazards. |
| 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 | Species | Period | Result |
|----------------------------------|----------------------------|---------------|---------------|
| calcium fluoride | Fish (LC50) | 96 hr/hrs | >1800 mg/l |
| | Algae (EC50) | 72 hr/hrs | >1000 mg/l |
| calcium fluoride | Corophium volutator (LC50) | 10 days | >12075 mg/kg |
| Graphite | Fish (LC50) | 96 hr/hrs | >1800 mg/l |
| | Algae (EC50) | 72 hr/hrs | >1000 mg/l |
| Lubricating grease, biosulfonate | Fish (LC50) | 96 hr/hrs | >1800 mg/l |
| | Algae (EC50) | 72 hr/hrs | >1000 mg/l |

Other ecological information

Persistence/degradability:

| Ingredient name | BOD | COD | ThOD |
|----------------------------------|---------------|------------------------------------|---------------|
| Lubricating grease, biosulfonate | Not available | 1.457 - 2.062mg O ₂ /mg | Not available |

Ingredient name

| Ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|----------------------------------|--------------------------|-------------------|---------------------------------------|
| Lubricating grease, biosulfonate | Not available | Not available | 61% mineralisation in 28 days (BODIS) |

Other ecological information

Mobility:

Not available

Other adverse effects:

No known significant effects or critical hazards.

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13. Disposal consideration

Methods of disposal:

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

14. Transport information

Hazchem code 1Z

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 | - | - | - | - | - |
| Australia ADG Code | Not regulated | - | - | - | - | Reference SP-AU01 |

15. Regulatory information

Poison Schedule

Not scheduled

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):

None above reportable limits

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): None

Volatile Organic Chemicals (VOCs):

Nil

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.

Canadian Regulations:

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

WHMIS: CLASS B-2: Not Controlled.

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16. Other information

History

| | |
|--------------------------------|------------------------|
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| Prepared by: | Donald Oldiges |

Notice to reader:

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