



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

SAFETY DATA SHEET

JET-LUBE NIKAL

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 NIKAL
Product Part Number(s): 13655; 13602; 13604; 13607; 13623; 13613 & 13615
Use of the substance/preparation: Anti-Seize thread lubricant
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
 Xtex Pty. Ltd 1300-00-XTEx

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 (petroleum base)	74869-21-9	278-011-7	70 - 78	Not classified
Nickel, metallic	7440-02-0	231-111-4	18-25	Xn; Harmful. Category 3 Carcinogen
potassium aluminum silicates	12001-26-2		5-10	Not classified

3a. Lubricating Grease Composition /information on ingredients

Substance/preparation:

Preparation

Ingredient name	CAS Number	EC Number	%	Classification
Naphthenic Distillates	64742-52-5	255-155-0	68-84	Not classified
Hydrotreated residual Oils	64742-57-0	265-101-6	10-20	Not classified
Aluminum, benzoate C16-18-fatty acid complex	94166-87-7	303-385-6	5-10	Not classified
polyisobutylene	9003-29-6	Polymer	1 -2	Not classified

The Petroleum Oils and additives do not require carcinogenic listing.

Risk Phrases: See Section 15
Safety Phrases: See Section 15

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.

SAFETY DATA SHEET

JET-LUBE NIKAL

Product classified as hazardous according to NOHSC classification

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. Person providing aid to give mouth-to-mouth resuscitation should use caution as inhalation or contact with product may occur. 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.

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 could cause suffocation. 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:

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:

These products are carbon oxides (CO, CO₂), sulphur oxides (SO₂, SO₃, etc.). 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

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:

Nickel, metallic

Occupational exposure limits

EH40-WEL (United Kingdom (UK), 1/2005)

TWA: 0.5mg/m³ 8 hour/hours. Form: Inhalable fraction

Nickel, metallic

OSHA (USA)

TWA: 1.5 mg/m³ Form: Inhalable fraction

potassium aluminum silicates

EH40-WEL (United Kingdom (UK), 9/2006)

TWA: 10 mg/m³ 65534 times per shift, 8 hour/hours. Form: Inhalable fraction

TWA: 0,8 mg/m³ 65534 times per shift, 8 hour/hours. 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.

SAFETY DATA SHEET

JET-LUBE NIKAL

Product classified as hazardous according to NOHSC classification

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:	Liquid (gel)
Color:	Dark Gray to silver
Odor:	Petroleum
pH:	Neutral
Boiling point:	<316°C (600.8°F)
Melting point:	260°C (500°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:	1.12
Density:	1.12 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:	Not available
Hazardous Decomposition products:	These products are carbon oxides (CO, CO ₂), sulphur oxides (SO ₂ , SO ₃ , etc.). This product can react vigorously with acids to liberate hydrogen, which can form explosive mixtures with air. Under special conditions nickel can react with carbon monoxide in reducing atmospheres to form Nickel Carbonyl, Ni(CO) ₄ , a toxic gas. Metal powders when heated in reducing atmospheres may become pyrophoric.

Hazardous polymerization: Will not occur.

11. Toxicological information

Potential acute health effects

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 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
Nickel, metal	LD50 >9000 mg/kg Non toxic	Oral	Rat

The U.S. Food and Drug Administration (FDA) has affirmed that nickel is generally regarded as safe (GRAS) as a direct human food ingredient.

Potential chronic health effects

Carcinogenicity:

No EC Classification (67/548/EEC)
Carcinogen: NTP: Suspected IARC: Yes OSHA: No

SAFETY DATA SHEET

JET-LUBE NIKAL

Product classified as hazardous according to NOHSC classification

[Australian National Health & Safety Commission \(NOSC\):](#)

This product contains Nickel, known to the state of California to cause cancer, birth defects or other reproductive harm.

[California Prop 65:](#)

This product contains Nickel, known to the state of California to cause cancer, birth defects or other reproductive harm.

Allergens:

None known

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.

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:

12. Ecological information

[Ecotoxicity data](#)

[Ingredient name](#)

[Species](#)

[Period](#)

[Result](#)

Nickel, metal

Brachydanio rerio (LC50)

96 hr/hrs

>100 mg/l

Selenastrum capricornatum (IC-50)

72 hr/hrs

>100 mg/l

Daphnia magna (EC50)

48 hr/hrs

>100 mg/l

Lubricating grease, petroleum based

Fish (LC50)

96 hr/hrs

>1800 mg/l

Algae (EC50) ,biomass

72 hr/hrs

641 mg/l

Algae (EC50) ,growth rate

72 hr/hrs

>1000 mg/l

[Other ecological information](#)

[Persistence/degradability:](#)

[Ingredient name](#)

[BOD](#)

[COD](#)

[ThOD](#)

Lubricating grease, petroleum based

Not available

Not available

3.78 mg O₂/mg

[Ingredient name](#)

[Aquatic half-life](#)

[Photolysis](#)

[Biodegradability](#)

Lubricating grease, petroleum based

Not available

Not available

6.2 % mineralisation in
28 days (BODIS)

[Other ecological information](#)

Mobility:

Not available

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.

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	Nonhazardous					
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.

R40 Limited evidence of a carcinogenic effect.

R43 May cause sensitisation by skin contact.

R48/23 - Toxic; danger of serious damage to health by prolonged exposure through inhalation.

NOTE: Inhalation unlikely as the Nickel in this product is homogenized in a grease/paste.

SAFETY DATA SHEET

JET-LUBE NIKAL

Product classified as hazardous according to NOHSC classification

Safety Phrases:

S20/21 - When using do not eat, drink or smoke
S28 - After contact with skin, wash immediately with plenty of water.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

Product use:

S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.
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: Nickel: 100 lbs.

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): Nickel

Volatile Organic Chemicals (VOCs):

Nil

State Right to Know:

New Jersey:	64742-52-5, 64742-57-0, 7440-02-0, 12001-26-2, 94166-87-7
Pennsylvania:	64742-52-5, 64742-57-0, 7440-02-0, 12001-26-2, 94166-87-7
Massachusetts:	64742-52-5, 64742-57-0, 7440-02-0, 12001-26-2, 94166-87-7
Rhode Island :	64742-52-5, 64742-57-0, 7440-02-0, 12001-26-2, 94166-87-7

Canadian Regulations:

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

WHMIS: CLASS B-2: Not regulated or WHMIS Hazard Class: D2A, D2B?

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

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

History

Date of printing:

August 22, 2010

Date of issue:

August 22, 2010

Date of previous issue:

No previous validation

Version:

1

Prepared by:



Name & Title

Donald Oldiges, VP of Research & Development

Notice to reader:

All practical steps have been taken to ensure this data sheet and the health, safety and environmental information contained in this document is accurate as of the date specified above. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet. You should not use the product other than for the stated application or applications without seeking advice from us. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations in the country of use. Jet-Lube is not responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use have the duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. If this material is printed, circulated, distributed or copied in any manner, it is no to be modified without prior written permission, and further, it is to include the wording of the above disclaimer.