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

SAFETY DATA SHEET

KOLR-KING

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: **KOLR-KING**

Use of the substance/preparation: Thread Lubricant grease (petroleum based). Rotary Shouldered Connections.

Company/undertaking identification

Manufacturer:
Jet-Lube, Inc.
4849 Homestead Rd., Suite 232
Houston, TX 77028
Email: doldiges@jetlube.com USA Coprorate 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:
Repr. Cat. 1; R61
Repr. Cat. 3; R62
Xn: R20/22
R33
N; R50/53

Physical/chemical hazards: Not applicable

Human health hazards
Harmful by inhalation and if swallowed.
Danger of cumulative effects.
May cause harm to the unborn child.
Possible risk of impaired fertility.

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
Lubricating grease (petroleum base)	74869-21-9	30-40	278-011-7	Not classified
lead	7439-92-1	59-61	231-100-4	Repr. Cat. 1; R61 Repr. Cat. 3; R62 Xn; R20/22 R33 N; R50/53
graphite, natural	7782-42-5	5 - 10	231-95-3	Not classified
talc, not containing asbestiform fibers	14807-96-6	1 - 5	238-877-9	Not classified

3a. Lubricating Grease Composition /information on ingredients

Substance/preparation: Preparation

Ingredient name	CAS Number	%	EC Number	Classification
Naphthenic Distillates	64742-52-5	79-90	255-155-0	Not classified
Hydrotreated residual Oils	64742-57-0	5 -10	265-101-6	Not classified
Calcium 12-hydroxystearate	3159-62-4	5-10	221-605-8	Not classified
polyisobutylene	9003-29-6	0-1	Polymer	Not classified
The Petroleum Oils and additives do not require carcinogic listing.				

Skin contact: Flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention. 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 contamined 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, CO_2). 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: 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.

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
lead	**EH40-WEL (United Kingdom (UK), 9/2006).** TWA: 0, 15 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
talc, not containing asbestiform fibers	**EH40-WEL (United Kingdom (UK), 9/2006)** TWA: 1 mg/m^3 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.

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)

Color: Black

Odor: Petroleum pungent

pH: Neutral

Boiling point: >274ºC (525.2ºF)

Melting point: >138ºC (280.4ºF)

Flash point: Open cup: 221ºC (429.8ºF)

Flammability (solid, gas): Not applicable

Explosive properties: Not available

Explosive limits: Lower: 0.9% Upper: 7%

Oxidizing properties: Not available

Vapor pressure: <0.01 kPa (<0.08 mm Hg) (at 20ºC)

Specific gravity: Not available

Density: 2.5 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: >260ºC (500ºF)

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 grease, zinc reacts 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	Test	Result	Route	Species
lead	LDLo	155 mg/kg	Oral	Human
	LDLo	160 mg/kg	Oral	pigeon

Potential chronic health effects

Ingredient name	Carcinogenic effects	Mutagenic effects	Developmental toxicity	Impairs fertility
lead	-	-	Repr. Cat. 1; R61	Repr. Cat. 3; R62

Carcinogenicity: No known significant effects or critical hazards.

Australian National Health & Safety Commission (NOSC): Lead

California Prop 65: This product contains Lead, known to the state of California to cause birth defects or other reproductive harm.

Mutagenicity: No known significant effects or critical hazards.

Reproductive toxicity: Contains material that can cause birth defects.

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: Contains material that causes damage to the following organs: blood, kidneys, liver, gastrointestinal tract, cardiovascular system, upper respiratory tract, skin, central nervous system (CNS), eye (lens or cornea).

Other adverse effects: Not available

12. Ecological information

Ecotoxicity data

Ingredient name	Species	Period	Result
lead	Oncorhynchus mykiss (LC50)	96 hr/hrs	1.17 mg/l
	Oncorhynchus mykiss (LC50)	96 hr/hrs	471 mg/l
	Oncorhynchus mykiss (LC50)	96 hr/hrs	542 mg/l
Graphite	Fish (LC50)	96 hr/hrs	>1800 mg/l
	Algae (EC50)	72 hr/hrs	>1000 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

Persistance/degradability:

Ingredient name	BOD	COD	ThOD
Lubricating grease, petroleum based	Not available	Not available	3.78 mg O_2/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: 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, solid, n.o.s. (lead)	9	III		**Limited quantity** LQ7
ADNR Class	3077	Environmentally hazardous substance, solid, n.o.s. (lead)	9	III		-
IMDG Class	3077	Environmentally hazardous substance, solid, n.o.s. (lead)	9	III		**Emergency schedules (EmS)** F-A, S-F
	3077					**Marine pollutant** Marine pollutant (P)
IATA-DGR Class	3077	Environmentally hazardous substance, solid, n.o.s. (lead)	9	III		-
Australia ADG Code	3077	Environmentally hazardous substance, solid, n.o.s.	9	III		Reference SP-AU01

15. Regulatory information

Poison Schedule Not scheduled

EU Regulations

Hazard symbol/symbols:

Toxic, dangerous for the environment.

Risk Phrases: R61 - May cause harm to the unborn child

R62 - Possibe risk of impaired fertility.
R20/22 - Harmful by inhalation and if swallowed
R33 - Danger of cumulative effects.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:
S53 - Avoid exposure; obtain special instructions before use.
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.
S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

Contains: lead 231-100-4

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).

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: Lead: 10 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): Lead **Volatile Organic Chemicals (VOCs):** Nil

State Right to Know:

New Jersey:	7439-92-1, 7782-42-5, 14807-96-6
Pennsylvania:	7439-92-1, 7782-42-5, 14807-96-6
Massachusetts:	7439-92-1, 7782-42-5, 14807-96-6
Rhode Island :	7439-92-1, 7782-42-5, 14807-96-6

Canadian Regulations:
DSL: All components are listed. (See Section 3)
WHMIS: CLASS D-2b: **It is classed, as D2b because of the lead content. The product is not regulated under TDG for land transport, but is regulated for sea transport, because of the lead content.**

RoHs Compliance
Kol'r-King a thread compound for oilwell & mining drilling applications contains 60% lead as an additive to prevent thread galling in extreme contact pressures. It contains none of the other listed substances above the listed level. It would not comply with the regulations if they were applicable. This product has nothing to do with lead or leadless soldering applications.

16. Other information

Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK):
R61 - May cause harm to the unborn child
R62 - Possible risk of impaired fertility.
R20/22 - Harmful by inhalation and if swallowed.
R33 - Danger of cumulative effects.
R50 - Very 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):
Repr. Cat. 1 - Toxic to reproduction Category 1
Repr. Cat. 3 - Toxic to reproduction Category 3
Xn - Harmful
N - Dangerous for the environment.

History

Date of printing: August 31, 2010
Date of issue: August 31, 2010
Date of previous issue: No previous validation
Version: 1

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Notice to reader:

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