



A CSW Industrials Company

SAFETY DATA SHEET

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Revision Number 3



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1. IDENTIFICATION

Product identifier

Product Name Jet-Lube® Korr-Guard™

Other means of identification

Product Code(s) 788

(M)SDS Number WPS-JLI-004

Synonyms Korr-Guard™

Recommended use of the chemical and restrictions on use

Recommended Use Lubricants, Greases and Release Products

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Identification

Address Jet-Lube of Canada LTD
Units 8 & 9, 1260 - 34 Avenue
Nisku, AB, Canada
T9E 1K7

Telephone JLC Office 1.780.463.7441 Toll Free 1.888.771.7775

E-mail Sales@jetlubecanada.com

Emergency telephone number

Company Emergency Phone Number 1-800-699-6318

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).



Appearance Light color Green**Physical state** Paste / Gel**Odor** Petroleum**GHS Label elements, including precautionary statements**

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

Precautionary Statements - Prevention

Do not handle until all safety precautions have been read and understood

Wear personal protective equipment/face protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

Not applicable.

Mixture**Synonyms**

Korr-Guard™

| Chemical Name | CAS-No | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|-----------------------------------------------------|------------|----------|------------------------------------------------------------------------------|-------------------------------------------------------------|
| Hydrotreated Heavy Naphthenic Oil | 64742-52-5 | 80-85 | - | - |
| Limestone | 1317-65-3 | 5-10 | - | - |
| Calcium carbonate | 471-34-1 | 5-10 | - | - |
| Sulfonic acids, petroleum, calcium salts, overbased | 68783-96-0 | 5-10 | - | - |
| Calcium dodecylbenzene sulfonate | 26264-06-2 | 5-10 | - | - |
| Calcium sulfate | 7778-18-9 | <2 | - | - |
| Residual oils (petroleum), hydrotreated | 64742-57-0 | <1 | - | - |

4. FIRST AID MEASURES

First aid measures

| | |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice | Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention. |
| Inhalation | Remove to fresh air. Get medical attention immediately if symptoms occur. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Call a physician if irritation persists. |
| Skin contact | Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician. |
| Self-protection of the first aider | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). |

Most important symptoms and effects, both acute and delayed

| | |
|-----------------|--------------------|
| Symptoms | Burning sensation. |
|-----------------|--------------------|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

| | |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | CAUTION: Use of water spray when fighting fire may be inefficient. |
| Specific hazards arising from the chemical | No information available. |
| Hazardous Combustion Products | Carbon oxides. |
| Explosion Data | |
| Sensitivity to Mechanical Impact | None. |
| Sensitivity to Static Discharge | None. |
| Special protective equipment for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Personal precautions | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. |
| Other Information | Refer to protective measures listed in Sections 7 and 8. |

Environmental precautions

| | |
|----------------------------------|-------------------------------------------------------|
| Environmental precautions | Prevent further leakage or spillage if safe to do so. |
|----------------------------------|-------------------------------------------------------|

Methods and material for containment and cleaning up

| | |
|----------------------------------------|-----------------------------------------------------------------------------------------------------|
| Methods for containment | Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up | Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. |
| Prevention of secondary hazards | Clean contaminated objects and areas thoroughly observing environmental regulations. |

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Limits**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH | |
|-------------------------------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------|
| Limestone 1317-65-3 | - | TWA: 15 mg/m ³ TWA: 5 mg/m ³ (vacated) TWA: 15 mg/m ³ (vacated) TWA: 5 mg/m ³ | TWA: 5 mg/m ³ respirable dust TWA: 10 mg/m ³ total dust | |
| Calcium carbonate 471-34-1 | - | TWA: 15 mg/m ³ TWA: 5 mg/m ³ (vacated) TWA: 15 mg/m ³ (vacated) TWA: 5 mg/m ³ | TWA: 5 mg/m ³ respirable dust TWA: 10 mg/m ³ total dust | |
| Calcium sulfate 7778-18-9 | TWA: 10 mg/m ³ inhalable fraction | TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ (vacated) TWA: 5 mg/m ³ respirable fraction | TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust | |
| Chemical Name | Alberta | British Columbia | Ontario TWAEV | Quebec |
| Limestone 1317-65-3 | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ TWA: 3 mg/m ³ STEL: 20 mg/m ³ | | TWA: 10 mg/m ³ |
| Calcium carbonate 471-34-1 | TWA: 10 mg/m ³ | | | TWA: 10 mg/m ³ |
| Calcium sulfate 7778-18-9 | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ TWA: 5 mg/m ³ |

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

Appropriate engineering controls

Engineering controls Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state Paste / Gel
Appearance Light color Green
Odor Petroleum
Color No information available
Odor Threshold No information available

| <u>Property</u> | <u>Values</u> | <u>Remarks</u> | <u>Method</u> |
|----------------------------------------|--------------------------|----------------|---------------|
| pH | 7 | | |
| Melting / freezing point | 200 °C | None known | |
| Boiling point / boiling range | 260 °C | | |
| Flash Point | > 221 °C | | |
| Evaporation Rate | No data available | None known | |
| Flammability (solid, gas) | No data available | None known | |
| Flammability Limit in Air | | None known | |
| Upper flammability limit | No data available | | |
| Lower flammability limit | No data available | | |
| Vapor pressure | No data available | None known | |
| Vapor density | No data available | None known | |
| Relative density | 0.95 | | |
| Water Solubility | No data available | | |
| Solubility(ies) | No data available | None known | |
| Partition coefficient: n-octanol/water | Not Available | | |
| Autoignition temperature | No data available | None known | |
| Decomposition temperature | No data available | None known | |
| Kinematic viscosity | No data available | None known | |
| Dynamic viscosity | No data available | None known | |
| Explosive properties | No information available | | |
| Oxidizing properties | No information available | | |

Other Information

Softening Point No information available
Molecular Weight No information available
VOC Content (%) Negligible
Liquid Density No information available
Bulk Density No information available
Particle Size No information available



Particle Size Distribution No information available

10. STABILITY AND REACTIVITY

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to avoid None known based on information supplied.

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

Hazardous Decomposition Products Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available. Contact with eyes may cause irritation.

Skin contact Specific test data for the substance or mixture is not available. May cause irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Information on toxicological effects

Symptoms Redness. Burning.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 17,423.00 mg/kg

Unknown acute toxicity No information available

Component Information

| Chemical Name | LD50 Oral | LD50 Dermal | Inhalation LC50 |
|-----------------------------------------------------|--------------------------------------------|--------------------------|------------------------|
| Hydrotreated Heavy Naphthenic Oil | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | |
| Calcium carbonate | = 6450 mg/kg (Rat) | | |
| Sulfonic acids, petroleum, calcium salts, overbased | > 20000 mg/kg (Rat) | > 20000 mg/kg (Rabbit) | > 1.9 mg/L (Rat) 4 h |
| Calcium dodecylbenzene sulfonate | 1086 - 1980 mg/kg (Rat) = 4 g/kg (Rat) | | |
| Calcium sulfate | > 3000 mg/kg (Rat) | | |
| Residual oils (petroleum), | 22 g/kg (Mouse) mineral oil mist | | |

| | | | |
|--------------|--|--|--|
| hydrotreated | | | |
|--------------|--|--|--|

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|------------------------------------------|---------------------------|
| Skin corrosion/irritation | No information available. |
| Serious eye damage/eye irritation | No information available. |
| Respiratory or skin sensitization | No information available. |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity Legend | No information available. |
| Reproductive toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Aspiration hazard | No information available. |

12. ECOLOGICAL INFORMATION**Ecotoxicity**

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|-----------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------|----------------------------------------|
| Hydrotreated Heavy Naphthenic Oil | | LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss) | - | EC50 48 h: > 1000 mg/L (Daphnia magna) |
| Sulfonic acids, petroleum, calcium salts, overbased | EC50 96 h: > 1000 mg/L (Pseudokirchneriella subcapitata) | LC50 96 h: = 40 mg/L (Pimephales promelas) | - | EC50 48 h: > 1000 mg/L (Daphnia magna) |
| Calcium dodecylbenzene sulfonate | | 96h LC50: = 10.8 mg/L (Oncorhynchus mykiss) | - | |
| Calcium sulfate | | 96h LC50: > 1970 mg/L (Pimephales promelas) 96h LC50: = 2980 mg/L (Lepomis macrochirus) | - | 120h EC50: = 3200 mg/L |

Persistence and Degradability No information available.

Bioaccumulation There is no data for this product.

| Chemical Name | Log Pow |
|-----------------------------------|---------|
| Hydrotreated Heavy Naphthenic Oil | >6 |

Mobility No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Waste from residues/unused Dispose of in accordance with local regulations. Dispose of waste in accordance with



products environmental legislation.
 Contaminated packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

| | |
|-----------------------------|---------------|
| DOT | NOT REGULATED |
| Proper Shipping Name | NON REGULATED |
| Hazard Class | N/A |
| TDG | Not regulated |
| MEX | NOT REGULATED |
| ICAO | NOT REGULATED |
| IATA | Not regulated |
| Proper Shipping Name | NON REGULATED |
| IMDG | Not regulated |
| RID | NOT REGULATED |
| ADR | NOT REGULATED |
| ADN | NOT REGULATED |

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

| | |
|----------------------|---------------------------------------------------|
| TSCA | Contact supplier for inventory compliance status. |
| DSL/NDSL | Complies. |
| EINECS/ELINCS | Complies. |
| ENCS | Complies. |
| KECL | Complies. |
| PICCS | Not determined. |
| AICS | Complies. |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances



AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| | |
|------------------------------------------|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|------------------------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Calcium dodecylbenzene sulfonate 26264-06-2 | 1000 lb | | | X |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|------------------------------------------------|--------------------------|------------------------------------|-------------------------------------------|
| Calcium dodecylbenzene sulfonate 26264-06-2 | 1000 lb | | RQ 1000 lb final RQ RQ 454 kg final RQ |

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product may contain substances regulated by state right-to-know regulations.

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|-------------------------------------------------|------------|---------------|--------------|--------------|----------|
| Hydrotreated Heavy Naphthenic Oil 64742-52-5 | | | | | X |
| Limestone 1317-65-3 | X | X | X | X | |
| Calcium carbonate 471-34-1 | X | | | | |
| Calcium dodecylbenzene sulfonate 26264-06-2 | X | X | X | X | |
| Calcium sulfate 7778-18-9 | X | X | X | | |

16. OTHER INFORMATION



| | | | | |
|--------------------|-------------------------|-----------------------|---------------------------|-------------------------------------------|
| <u>NFPA</u> | Health hazards 0 | Flammability 1 | Instability 0 | Physical and Chemical Properties - |
| <u>HMIS</u> | Health hazards 0 | Flammability 1 | Physical hazards 0 | Personal Protection X |

Prepared By Product Stewardship
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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet