

# SAFETY DATA SHEET

Issuing Date 29-Oct-2014

Revision Date 08-Mar-2017

**Revision Number 2** 

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**GHS** product identifier

**Product Name** 

**KOPR KOTE®** 

Other means of identification

Product Code(s)

100, 101

**Synonyms** 

MIL PRF-907F, NSN: 8030-00-251-3980

Recommended use of the chemical and restrictions on use

Recommended Use

Lubricants, Greases and Release Products

Uses advised against

No information available

Supplier's details

**Manufacturer Address** 

Jet-Lube, LLC 930 Whitmore Dr. Rockwall, Texas 75087 TEL: 972-771-1000 Toll Free: 1-800-669-6318

Emergency telephone number

**Emergency Telephone** 

CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

Number

1-800-424-9300 (NORTH AMERICA)

# 2. HAZARDS IDENTIFICATION

# Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

| Skin Corrosion/Irritation         | Category 2 |
|-----------------------------------|------------|
| Serious Eye Damage/Eye Irritation | Category 2 |

### GHS Label elements, including precautionary statements

# **Emergency Overview**

Signal Word Hazard Statements • Causes skin irritation Warning

Causes skin irritation
 Causes serious eye irritation



Appearance Copper, Bronze

Physical State Semi-fluid (gel).

Odor Petroleum like

#### **Precautionary Statements**

#### Prevention

- · Wash face, hands and any exposed skin thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.

#### **General Advice**

· Specific treatment is urgent (see supplemental first aid instructions on this label)

#### Eves

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.

#### Skin

- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation occurs: Get medical advice/attention.
- · Take off contaminated clothing and wash before reuse.

#### **Storage**

• None

### Disposal

None

#### **Hazard Not Otherwise Classified (HNOC)**

Not applicable

#### Other information

20% of the mixture consists of ingredient(s) of unknown toxicity.

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name  | CAS-No     | Weight % | Trade secret |
|--|------------|----------|--------------|
| Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc. | 74869-21-9 | 50-70    | *            |
| Graphite   | 7782-42-5  | 10-15    | *            |
| Copper   | 7440-50-8  | 8-13     | *            |
| Talc   | 14807-96-6 | 1-5      | *            |
| Limestone  | 1317-65-3  | 1-5      | *            |
| Molybdenum (IV) sulfide  | 1317-33-5  | 1-5      | *            |

<sup>\*</sup>The exact percentage (concentration) of composition has been withheld as a trade secret.

# 4. FIRST AID MEASURES

#### Description of necessary first-aid measures

WPS-JLI-001US -KOPR KOTE®

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If

symptoms persist, call a physician.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. If skin irritation persists, call a physician.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Ingestion Drink plenty of water, Do not induce vomiting without medical advice. Clean mouth with

water and afterwards drink plenty of water. If symptoms persist, call a physician.

# Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

# Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

# 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry powder. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical

Burning produces obnoxious and toxic fumes. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Heavy metal compounds

**Explosion Data** 

Sensitivity to Mechanical Impact Sensitivity to Static Discharge

None.

None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

# 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment.

Environmental Precautions

Environmental Precautions Do not allow material to contaminate ground water system. Prevent product from entering

drains. See Section 12 for additional Ecological Information.

#### Methods and materials 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. Clean contaminated surface thoroughly.

# 7. HANDLING AND STORAGE

# Precautions for safe handling

Handling Wear personal protective equipment. Ensure adequate ventilation.

# Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed in a dry and well-ventilated place. Keep in a bunded area

Incompatible Products Strong oxidizing agents, Acetylene, Vinyl compounds.

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Control parameters**

#### **Exposure Guidelines**

| Chemical Name                        | ACGIH TLV  | OSHA PEL  | NIOSH IDLH  |
|--------------------------------------|--|---|---|
| Graphite<br>7782-42-5                |  | TWA: 15 mg/m³ total dust synthetic TWA: 5 mg/m³ total dust synthetic (vacated) TWA: 2.5 mg/m³ respirable dust natural (vacated) TWA: 10 mg/m³ total dust synthetic (vacated) TWA: 5 mg/m³ respirable fraction synthetic TWA: 15 mppcf natural | IDLH: 1250 mg/m³ TWA: 2.5 mg/m³ respirable dust   |
| Copper<br>7440-50-8                  | TWA: 0.2 mg/m³ fume  | TWA: 0.1 mg/m³ fume TWA: 1<br>mg/m³ dust and mist<br>(vacated) TWA: 0.1 mg/m³ Cu<br>dust, fume, mist  | IDLH: 100 mg/m³ dust, fume and<br>mist<br>TWA: 1 mg/m³ dust and mist<br>TWA: 0.1 mg/m³ fume |
| Tatc<br>14807-96-6                   | TWA: 2 mg/m³   | (vacated) TVVA: 2 mg/m <sup>3</sup>   | IDLH: 1000 mg/m³ containg no<br>asbestos and <1% quartz<br>TWA: 2 mg/m³                     |
| Limestone<br>1317-65-3               | -  | TWA: 15 mg/m³<br>TWA: 5 mg/m³ (vacated)<br>TWA: 15 mg/m³ (vacated)<br>TWA: 5 mg/m³  | TWA: 5 mg/m³ respirable dust<br>TWA: 10 mg/m³ total dust                                    |
| Molybdenum (IV) sulfide<br>1317-33-5 | TWA: 10 mg/m³ Mo inhalable<br>fraction<br>TWA: 3 mg/m³ Mo respirable<br>fraction | TWA; 15 mg/m³ total dust<br>(vacated) TWA; 10 mg/m³ Mo  | IDLH: 5000 mg/m³ Mo   |

Immediately Dangerous to Life or Health. ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH:

**Other Exposure Guidelines** 

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992).

#### **Appropriate engineering controls**

**Engineering Measures** 

Showers

Eyewash stations Ventilation systems

# Individual protection measures, such as personal protective equipment

Eye/Face Protection Skin and Body Protection Respiratory Protection Safety glasses with side-shields. Risk of contact, wear: Goggles.

Impervious clothing, Impervious gloves.

None required under normal usage. If exposure limits are exceeded or irritation is

experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures When using, do not eat, drink or smoke. Remove and wash contaminated clothing before

re-use.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

| Physical State                  | Semi-fluid (gel)    | Appearance     | Copper Bronze            |
|---------------------------------|---------------------|----------------|--------------------------|
| Odor                            | Petroleum like      | Odor Threshold | No information available |
| Property                        | <u>Values</u>       | Remarks/ - Me  | ethod_                   |
| рН                              | Neutral             | None known     |                          |
| Melting Point/Range             | > 232 °C            | None known     |                          |
| Boiling Point/Boiling Range     | < 316 °C            | None known     |                          |
| Flash Point                     | > 221 °C            | None known     | 42                       |
| Evaporation rate                | < 0.01              | None known     |                          |
| Flammability (solid, gas)       | No data available   | None known     |                          |
| Flammability Limits in Air      |                     |                |                          |
| upper flammability limit        | No data available   |                |                          |
| lower flammability limit        | No data available   |                |                          |
| Vapor Pressure                  | <0.01 kPa @ 20°C    | None known     |                          |
| Vapor Density                   | >5 (air = 1)        | None known     |                          |
| Specific Gravity                | 1.15                | None known     |                          |
| Water Solubility                | Insoluble in water. | None known     |                          |
| Solubility in other solvents    | Largely.            | None known     |                          |
| Partition coefficient: n-octano |                     | None known     |                          |
| Autoignition Temperature        | > 260 °C / >500 °F  | None known     |                          |
| Decomposition Temperature       | No data available   | None known     |                          |
| Viscosity                       | No data available   | None known     |                          |
| Flammable Properties            | Not flammable       |                |                          |
| Explosive Properties            | No data available   |                |                          |
| Oxidizing Properties            | No data available   |                |                          |
| Other information               |                     |                |                          |
| VOC Content (%)                 | None                |                |                          |

# 10. STABILITY AND REACTIVITY

#### Reactivity

VOC (g/I)

No data available.

# **Chemical stability**

Stable under recommended storage conditions.

None

# Possibility of hazardous reactions

None under normal processing.

# **Hazardous Polymerization**

Hazardous polymerization does not occur.

# **Conditions to avoid**

Incompatible products.

# Incompatible materials

Strong oxidizing agents. Acetylene. Vinyl compounds.

# Hazardous decomposition products

None known based on information supplied.

# 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

**Product Information** 

Inhalation

None known.

Eye Contact

Causes serious eye irritation.

**Skin Contact** 

Causes skin irritation.

Ingestion

Not an expected route of exposure. May be harmful if swallowed. Ingestion may cause

gastrointestinal irritation, nausea, vomiting and diarrhea.

| Chemical Name                      | LD50 Oral          | LD50 Dermal | LC50 Inhalation |
|------------------------------------|--------------------|-------------|-----------------|
| Lubricating greases                | = 2280 mg/kg (Rat) | •           | •               |
| A complex combination of           |                    |             |                 |
| hydrocarbons having carbon         |                    |             |                 |
| numbers predominantly in the range |                    |             |                 |
| of C12 through C50, may contain    |                    |             |                 |
| organic salts of alkali metals,    |                    |             |                 |
| alkaline earth metals, etc.        |                    |             |                 |

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** 

No information available.

# Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization Mutagenic Effects No information available.

Carcinogenicity

No information available.

Denveductive Tavisity

Contains no ingredients above reportable quantities listed as a carcinogen.

Reproductive Toxicity STOT - single exposure STOT - repeated exposure Aspiration Hazard

No information available. No information available. No information available. No information available.

# Numerical measures of toxicity - Product

**Acute Toxicity** 

20% of the mixture consists of ingredient(s) of unknown toxicity.

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

LD50 Oral

2606 mg/kg; Acute toxicity estimate

# 12. ECOLOGICAL INFORMATION

#### **Ecotoxicity**

Aquatic toxicity is unlikely due to low solubility. Based on available data, the classification criteria are not met

 $\label{locality} Lc50/48h/Acartia\ tonsa = >1000\ mg/L\ EC50/72h/Skeletonema\ costatum = >1000\ mg/L\ LC50/96h/Scophthalmus\ maximus = >1000\ mg/L\ LC50/96h/Scophthalmus\ maximus\ = >10000\ mg/L\ LC50/96h/Scophthalmus\ maximus\ = >1000\ mg/L\ LC50/96h/Scophthalmu$ 

Sea sediment LC50/10d/Corophium sp. = 925-3502 mg/kg

| Chemical Name   | Toxicity to Algae | Toxicity to Fish                            | Toxicity to<br>Microorganisms | Daphnia Magna (Water<br>Flea) |
|---|-------------------|---|-------------------------------|-------------------------------|
| Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc. 74869-21-9 | >1001 mg/l        | LC50 96 h: > 2000 mg/L<br>(Salmo gairdneri) |                               |                               |

| Copper<br>7440-50-8 | EC50 96 h: 0.031 - 0.054 mg/L static (Pseudokirchneriella subcapitata) EC50 72 h: 0.0426 - 0.0535 mg/L static (Pseudokirchneriella subcapitata) | LC50 96 h: 0.0068 - 0.0156 mg/L (Pimephales promelas) LC50 96 h: < 0.3 mg/L static (Pimephales promelas) LC50 96 h: = 0.052 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: = 0.112 mg/L flow-through (Poecilia reticulata) LC50 96 h: = 0.2 mg/L flow-through (Pimephales promelas) LC50 96 h: = 0.3 mg/L semistatic (Cyprinus carpio) LC50 96 h: = 0.8 mg/L static (Cyprinus carpio) LC50 96 h: = 1.25 mg/L static (Lepomis macrochirus) | EC50 48 h: = 0.03 mg/L<br>Static (Daphnia magna) |
|---------------------|---|---|--|
| Talc<br>14807-96-6  |   | LC50 96 h; > 100 g/L<br>semi-static (Brachydanio<br>rerio)  |  |

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

# **Other Adverse Effects**

No information available.

# 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** 

Dispose of in accordance with federal, state, and local regulations Where possible recycling

is preferred to disposal or incineration.

**Contaminated Packaging** 

Do not re-use empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name | California Hazardous Waste |
|---------------|----------------------------|
| Copper        | Toxic                      |

# 14. TRANSPORT INFORMATION

DOT Not regulated <u>TDG</u> Not regulated Not regulated MEX Not regulated **ICAO** <u>IATA</u> Not regulated IMDG/IMO Not regulated Not regulated RID Not regulated <u>ADN</u> <u>ADR</u> Not regulated

# 15. REGULATORY INFORMATION

# International Inventories

#### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

# **U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | CAS-No    | Weight % | SARA 313 - Threshold<br>Values % |
|---------------|-----------|----------|----------------------------------|
| Copper        | 7440-50-8 | 8-13     | 1.0                              |

#### SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

# 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<br>Quantitles | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous<br>Substances |
|---------------|--------------------------------|------------------------|---------------------------|-------------------------------|
| Copper        |                                | X                      | 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<br>RQs | RQ   |
|---------------|--------------------------|---------------------------------------|--|
| Copper        | 5000 lb                  |                                       | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

#### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

#### U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Illinois | Rhode Island |
|---------------|------------|---------------|--------------|----------|--------------|
| Graphite      | Х          | Х             | Х            |          | Х            |
| Copper        | X          | Х             | Х            | Х        | Х            |
| Talc          | X          | Х             | Х            |          | Х            |
| Limestone     | Х          | X             | Х            |          | Х            |

### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

Revision Date . 08-Mar-2017

| 16. OTHER INFORMATION |                 |                |                   |                                    |
|-----------------------|-----------------|----------------|-------------------|------------------------------------|
| NFPA                  | Health Hazard 2 | Flammability 1 | Instability 0     | Physical and Chemical<br>Hazards - |
| <u>HMIS</u>           | Health Hazard 2 | Flammability 1 | Physical Hazard 0 | Personal Protection X              |

**Prepared By** Product Stewardship

23 British American Blvd. Latham, NY 12110

1-800-572-6501

**Issuing Date** 29-Oct-2014 **Revision Date** 08-Mar-2017

**Revision Note** Updated company information.

<u>General Disclaimer</u>
The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of Safety Data Sheet** 

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