



A CSW Industrials Company

# SAFETY DATA SHEET

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## 1. IDENTIFICATION

### Product identifier

**Product Name** Jet-Lube 21®

### Other means of identification

**Product Code(s)** 109, 110, 11530

### 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** Jet-Lube LLC

**Address** Jet Lube LLC  
930 Whitmore Drive  
Rockwall, Texas USA 75087  
TEL: +1-713-670-5700 (8am-5pm CST)

**Telephone** US Office: Phone:+1-972-771-1000 Fax:+1-972-722-2108

**E-mail** Sales@jetlube.com

### Emergency telephone number

**Company Emergency Phone Number** +1-780-463-7441

**Emergency Telephone Number** US/CANADA: 1-800-633-8253  
INTERNATIONAL: 001-801-629-0667

## 2. HAZARDS IDENTIFICATION

### Classification

|                                   |             |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 2B |
|-----------------------------------|-------------|



**Appearance** Copper Bronze**Physical state** Gel**Odor** Petroleum**GHS Label elements, including precautionary statements****Warning****Hazard statements**

Causes eye irritation

**Precautionary Statements - Prevention**

Obtain special instructions before use

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

Wear protective gloves/protective clothing/eye protection/face protection

Wash face, hands and any exposed skin thoroughly after handling

**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

If eye irritation persists: Get medical advice/attention

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other information**

May be harmful if swallowed Causes mild skin irritation

**Unknown acute toxicity**

100 % of the mixture consists of ingredient(s) of unknown toxicity

23.0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

100 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

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

Not applicable.

**Mixture**

| Chemical name  | CAS-No     | Percent | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|--|------------|---------|--|---|
| Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic | 74869-21-9 | 65-75   | -  | -   |

|  |            |      |   |   |
|--|------------|------|---|---|
| salts of alkali metals,<br>alkaline earth metals, etc. |            |      |   |   |
| Graphite   | 7782-42-5  | 5-10 | - | - |
| Limestone  | 1317-65-3  | 5-10 | - | - |
| Mica   | 12001-26-2 | 1-5  | - | - |
| Copper   | 7440-50-8  | 1-5  | - | - |

#### 4. FIRST AID MEASURES

##### First aid measures

|   |   |
|---|---|
| <b>General advice</b>                     | IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.   |
| <b>Inhalation</b>                         | Remove to fresh air.  |
| <b>Eye contact</b>                        | 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. Get medical attention if irritation develops and persists. |
| <b>Skin contact</b>                       | Wash skin with soap and water.  |
| <b>Ingestion</b>                          | 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.   |
| <b>Self-protection of the first aider</b> | 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

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                            |
| <b>Unsuitable extinguishing media</b>                 | CAUTION: Use of water spray when fighting fire may be inefficient.   |
| <b>Specific hazards arising from the chemical</b>     | No information available.  |
| <b>Hazardous Combustion Products</b>                  | Carbon oxides.   |
| <b>Explosion Data</b>                                 |  |
| <b>Sensitivity to Mechanical Impact</b>               | None.  |
| <b>Sensitivity to Static Discharge</b>                | None.  |
| <b>Special protective equipment for fire-fighters</b> | 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** See Section 12 for additional Ecological Information.

**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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Limits**

| Chemical name          | ACGIH TLV   | OSHA PEL   | NIOSH IDLH   |
|------------------------|---|--|--|
| Graphite<br>7782-42-5  | TWA: 2 mg/m <sup>3</sup> respirable particulate matter all forms except graphite fibers | TWA: 15 mg/m <sup>3</sup> total dust synthetic<br>TWA: 5 mg/m <sup>3</sup> respirable fraction synthetic (vacated) TWA: 2.5 mg/m <sup>3</sup> respirable dust natural (vacated) TWA: 10 mg/m <sup>3</sup> total dust synthetic (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction synthetic<br>TWA: 15 mppcf natural | IDLH: 1250 mg/m <sup>3</sup><br>TWA: 2.5 mg/m <sup>3</sup> respirable dust       |
| Limestone<br>1317-65-3 | -   | TWA: 15 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup><br>(vacated) TWA: 15 mg/m <sup>3</sup><br>(vacated) TWA: 5 mg/m <sup>3</sup>   | TWA: 5 mg/m <sup>3</sup> respirable dust<br>TWA: 10 mg/m <sup>3</sup> total dust |
| Mica<br>12001-26-2     | TWA: 3 mg/m <sup>3</sup>  | TWA: 20 mppcf (<1% crystalline silica)   | IDLH: 1500 mg/m <sup>3</sup> containing <1% quartz                               |

|                        |  |  |   |  |
|------------------------|--|--|---|--|
|                        |  | 3 mg/m <sup>3</sup> (vacated)  | TWA: 3 mg/m <sup>3</sup> respirable dust  |  |
| Copper<br>7440-50-8    | TWA: 0.2 mg/m <sup>3</sup> fume                        | TWA: 0.1 mg/m <sup>3</sup> fume<br>TWA: 1 mg/m <sup>3</sup> dust and mist<br>(vacated) TWA: 0.1 mg/m <sup>3</sup> Cu<br>dust, fume, mist | IDLH: 100 mg/m <sup>3</sup> dust, fume<br>and mist<br>TWA: 1 mg/m <sup>3</sup> dust and mist<br>TWA: 0.1 mg/m <sup>3</sup> fume |  |
| <b>Chemical name</b>   | <b>Alberta</b>   | <b>British Columbia</b>  | <b>Ontario TWAEV</b>  | <b>Quebec</b>  |
| Graphite<br>7782-42-5  | TWA: 2 mg/m <sup>3</sup>                               | TWA: 2 mg/m <sup>3</sup>   | TWA: 2 mg/m <sup>3</sup>  | TWA: 2 mg/m <sup>3</sup>                               |
| Limestone<br>1317-65-3 | TWA: 10 mg/m <sup>3</sup>                              | TWA: 10 mg/m <sup>3</sup><br>TWA: 3 mg/m <sup>3</sup><br>STEL: 20 mg/m <sup>3</sup>  |   | TWA: 10 mg/m <sup>3</sup>                              |
| Mica<br>12001-26-2     | TWA: 3 mg/m <sup>3</sup>                               | TWA: 3 mg/m <sup>3</sup>   | TWA: 3 mg/m <sup>3</sup>  | TWA: 3 mg/m <sup>3</sup>                               |
| Copper<br>7440-50-8    | TWA: 0.2 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup> | TWA: 1 mg/m <sup>3</sup><br>TWA: 0.2 mg/m <sup>3</sup>   | TWA: 0.2 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup>  | TWA: 0.2 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup> |

**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 controls** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** If splashes are likely to occur, wear safety glasses with side-shields.

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

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

**Physical state** Gel  
**Appearance** Copper Bronze  
**Odor** Petroleum  
**Color** No information available  
**Odor Threshold** Not applicable

| <u>Property</u>               | <u>Values</u>     | <u>Remarks Method</u> |
|-------------------------------|-------------------|-----------------------|
| pH                            | 7                 |                       |
| Melting / freezing point      | 232 °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                       | 1.10                     |            |
| Water Solubility                       | Insoluble                |            |
| Solubility(ies)                        | No data available        | None known |
| Partition coefficient: n-octanol/water | Not applicable           |            |
| 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 |            |
| <b>Other Information</b>               |                          |            |
| Softening Point                        | No information available |            |
| Molecular Weight                       | No information available |            |
| VOC Content (%)                        | None                     |            |
| None                                   |                          |            |
| 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

|   |   |
|---|---|
| <b>Reactivity</b>                         | No information available.                 |
| <b>Chemical stability</b>                 | Stable under normal conditions.           |
| <b>Possibility of Hazardous Reactions</b> | None under normal processing.             |
| <b>Hazardous Polymerization</b>           | Hazardous polymerization does not occur.  |
| <b>Conditions to avoid</b>                | None known based on information supplied. |
| <b>Incompatible materials</b>             | None known based on information supplied. |
| <b>Hazardous Decomposition Products</b>   | Carbon oxides.                            |

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Not an expected route of exposure. Specific test data for the substance or mixture is not available.  |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain. |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.                   |
| <b>Ingestion</b>    | 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** May cause redness and tearing of the eyes.

**Numerical measures of toxicity****Acute Toxicity**

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

**ATEmix (oral)** 2,280.00 mg/kg

**Unknown acute toxicity** 100 % of the mixture consists of ingredient(s) of unknown toxicity  
 23.0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 100 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

| Chemical name  | Oral LD50            | Dermal LD50 | Inhalation LC50 |
|--|----------------------|-------------|-----------------|
| 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. | = 2280 mg/kg ( Rat ) | -           | -               |

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

**Skin corrosion/irritation** May cause skin irritation.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Irritating to eyes.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** 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) |
|---|-------------------|---|----------------------------|----------------------------|
| Lubricating greases A complex combination of hydrocarbons having carbon numbers | >1001 mg/l        | 96h LC50: > 2000 mg/L (Salmo gairdneri) | -                          | -                          |

|  |  |   |   |   |
|--|--|---|---|---|
| predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc. |  |   |   |   |
| Copper   | EC50 96 h: 0.031 - 0.054 mg/L static (Pseudokirchneriella subcapitata)<br>EC50 72 h: 0.0426 - 0.0535 mg/L static (Pseudokirchneriella subcapitata) | LC50 96 h: 0.0068 - 0.0156 mg/L (Pimephales promelas)<br>LC50 96 h: < 0.3 mg/L static (Pimephales promelas)<br>LC50 96 h: = 0.052 mg/L flow-through (Oncorhynchus mykiss)<br>LC50 96 h: = 0.112 mg/L flow-through (Poecilia reticulata)<br>LC50 96 h: = 0.2 mg/L flow-through (Pimephales promelas)<br>LC50 96 h: = 0.3 mg/L semi-static (Cyprinus carpio)<br>LC50 96 h: = 0.8 mg/L static (Cyprinus carpio)<br>LC50 96 h: = 1.25 mg/L static (Lepomis macrochirus) | - | EC50 48 h: = 0.03 mg/L Static (Daphnia magna) |

**Persistence and Degradability** No information available.

**Bioaccumulation** There is no data for this product.

**Mobility** No information available.

**Other adverse effects** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse 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<br>7440-50-8 | Toxic                      |

**14. TRANSPORT INFORMATION**

**DOT** NOT REGULATED





|                             |               |
|-----------------------------|---------------|
| <b>Proper Shipping Name</b> | NON REGULATED |
| <b>Hazard Class</b>         | N/A           |
| <b>TDG</b>                  | NOT REGULATED |
| <b>MEX</b>                  | NOT REGULATED |
| <b>ICAO</b>                 | NOT REGULATED |
| <b>IATA</b>                 | NOT REGULATED |
| <b>Proper Shipping Name</b> | NON REGULATED |
| <b>IMDG/IMO</b>             | NOT REGULATED |
| <b>RID</b>                  | NOT REGULATED |
| <b>ADR</b>                  | NOT REGULATED |
| <b>ADN</b>                  | 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

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

#### 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 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    | Percent | SARA 313 - Threshold Values % |
|--------------------|-----------|---------|-------------------------------|
| Copper - 7440-50-8 | 7440-50-8 | 1-5     | 1.0                           |



|                                   |    |
|-----------------------------------|----|
| 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 |
|---------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Copper<br>7440-50-8 |                             | 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 RQs | RQ   |
|---------------------|--------------------------|------------------------------------|--|
| Copper<br>7440-50-8 | 5000 lb                  |                                    | RQ 5000 lb final RQ<br>RQ 2270 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 |
|------------------------|------------|---------------|--------------|--------------|----------|
| Graphite<br>7782-42-5  | X          | X             | X            | X            |          |
| Limestone<br>1317-65-3 | X          | X             | X            | X            |          |
| Mica<br>12001-26-2     | X          | X             | X            | X            |          |
| Copper<br>7440-50-8    | X          | X             | X            | X            | X        |

**16. OTHER INFORMATION**

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

**Prepared By** Product Stewardship  
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1-800-572-6501

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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**