



A CSW Industrials Company

# SAFETY DATA SHEET

Issuing Date 10-Nov-2011

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Revision Number 3



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## 1. IDENTIFICATION

### Product identifier

**Product Name** JET-LUBE® 550®

### Other means of identification

**Product Code(s)** 155

**(M)SDS Number** WPS-JLI-013

**Synonyms** 550®

### Recommended use of the chemical and restrictions on use

**Recommended Use** No information available

**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

**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** 1-800-699-6318

**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** Black**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 eat, drink or smoke when using this product  
Wear personal protective equipment/face protection**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**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**

550®

| Chemical Name  | CAS-No     | Weight-% | Hazardous Material<br>Information Review Act<br>registry number (HMIRA<br>registry #) | Date HMIRA filed and<br>date exemption granted<br>(if applicable) |
|--|------------|----------|---|---|
| Lubricating greases A<br>complex combination of<br>hydrocarbons having<br>carbon numbers<br>predominantly in the<br>range of C12 through<br>C50. may contain organic<br>salts of alkali metals,<br>alkaline earth metals, etc. | 74869-21-9 | 65-70    | -   | -   |
| Zinc oxide   | 1314-13-2  | 10-15    | -   | -   |
| Graphite   | 7782-42-5  | 7-10     | -   | -   |
| Molybdenum (IV) sulfide  | 1317-33-5  | 1-5      | -   | -   |

**4. FIRST AID MEASURES****First aid measures****General advice**

IF exposed or concerned: Get medical advice/attention.



|              |  |
|--------------|--|
| Inhalation   | Remove to fresh air.   |
| Eye contact  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact | Wash skin with soap and water.   |
| Ingestion    | Clean mouth with water and drink afterwards plenty of water.   |

**Most important symptoms and effects, both acute and delayed**

|          |                           |
|----------|---------------------------|
| Symptoms | No information available. |
|----------|---------------------------|

**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 | Ensure adequate ventilation.                             |
| 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.

### 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   |
|--------------------------------------|--------------------------------|--|---|--|
| Zinc oxide<br>1314-13-2              |                                | STEL: 10 mg/m³ respirable particulate matter<br>TWA: 2 mg/m³ respirable particulate matter     | TWA: 5 mg/m³ fume<br>TWA: 15 mg/m³ total dust<br>TWA: 5 mg/m³ respirable fraction<br>(vacated) TWA: 5 mg/m³ fume<br>(vacated) TWA: 10 mg/m³ total dust<br>(vacated) TWA: 5 mg/m³ respirable fraction<br>(vacated) STEL: 10 mg/m³ fume                                 | IDLH: 500 mg/m³<br>Ceiling: 15 mg/m³ dust<br>TWA: 5 mg/m³ dust and fume<br>STEL: 10 mg/m³ fume |
| Graphite<br>7782-42-5                |                                | TWA: 2 mg/m³ respirable particulate matter all forms except graphite fibers                    | TWA: 15 mg/m³ total dust synthetic<br>TWA: 5 mg/m³ respirable fraction synthetic<br>(vacated) TWA: 2.5 mg/m³ respirable dust natural<br>(vacated) TWA: 10 mg/m³ total dust synthetic<br>(vacated) TWA: 5 mg/m³ respirable fraction synthetic<br>TWA: 15 mppcf natural | IDLH: 1250 mg/m³<br>TWA: 2.5 mg/m³ respirable dust   |
| Molybdenum (IV) sulfide<br>1317-33-5 |                                | TWA: 10 mg/m³ Mo inhalable particulate matter<br>TWA: 3 mg/m³ Mo respirable particulate matter | TWA: 15 mg/m³ total dust<br>(vacated) TWA: 10 mg/m³ Mo  | IDLH: 5000 mg/m³ Mo  |
| Chemical Name                        | Alberta                        | British Columbia   | Ontario TWAEV   | Quebec   |
| Zinc oxide<br>1314-13-2              | TWA: 2 mg/m³<br>STEL: 10 mg/m³ | TWA: 2 mg/m³<br>STEL: 10 mg/m³   | TWA: 2 mg/m³<br>STEL: 10 mg/m³  | TWA: 10 mg/m³<br>TWA: 5 mg/m³<br>STEL: 10 mg/m³  |
| Graphite<br>7782-42-5                | TWA: 2 mg/m³                   | TWA: 2 mg/m³   | TWA: 2 mg/m³  | TWA: 2 mg/m³   |
| Molybdenum (IV) sulfide<br>1317-33-5 | TWA: 10 mg/m³<br>TWA: 3 mg/m³  | TWA: 3 mg/m³<br>TWA: 10 mg/m³  | TWA: 10 mg/m³<br>TWA: 3 mg/m³   | TWA: 10 mg/m³  |

#### 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**

|                             |   |
|-----------------------------|---|
| <b>Engineering controls</b> | Showers<br>Eyewash stations<br>Ventilation systems. |
|-----------------------------|---|

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

|                                       |  |
|---------------------------------------|--|
| <b>Eye/face protection</b>            | No special protective equipment required.  |
| <b>Hand protection</b>                | Wear suitable gloves.  |
| <b>Skin and body protection</b>       | Wear suitable protective clothing.   |
| <b>Respiratory protection</b>         | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
| <b>General hygiene considerations</b> | 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**

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Paste / Gel              |
| <b>Appearance</b>     | Black                    |
| <b>Odor</b>           | Petroleum                |
| <b>Color</b>          | No information available |
| <b>Odor Threshold</b> | No information available |

| <b><u>Property</u></b>                        | <b><u>Values</u></b>     | <b><u>Remarks Method</u></b> |
|---|--------------------------|------------------------------|
| <b>pH</b>                                     | 7                        |                              |
| <b>Melting / freezing point</b>               | 260 °C                   | None known                   |
| <b>Boiling point / boiling range</b>          | 316 °C                   |                              |
| <b>Flash Point</b>                            | > 221 °C                 |                              |
| <b>Evaporation Rate</b>                       | No data available        | None known                   |
| <b>Flammability (solid, gas)</b>              | No data available        | None known                   |
| <b>Flammability Limit in Air</b>              |                          | None known                   |
| <b>Upper flammability limit</b>               | No data available        |                              |
| <b>Lower flammability limit</b>               | No data available        |                              |
| <b>Vapor pressure</b>                         | No data available        | None known                   |
| <b>Vapor density</b>                          | No data available        | None known                   |
| <b>Relative density</b>                       | 1.19                     |                              |
| <b>Water Solubility</b>                       | Negligible               |                              |
| <b>Solubility(ies)</b>                        | No data available        | None known                   |
| <b>Partition coefficient: n-octanol/water</b> | Not Applicable           |                              |
| <b>Autoignition temperature</b>               | No data available        | None known                   |
| <b>Decomposition temperature</b>              | No data available        | None known                   |
| <b>Kinematic viscosity</b>                    | No data available        | None known                   |
| <b>Dynamic viscosity</b>                      | No data available        | None known                   |
| <b>Explosive properties</b>                   | No information available |                              |
| <b>Oxidizing properties</b>                   | No information available |                              |

**Other Information**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening Point</b>  | No information available |
| <b>Molecular Weight</b> | No information available |
| <b>VOC Content (%)</b>  | Negligible               |
| <b>Liquid Density</b>   | No information available |
| <b>Bulk Density</b>     | No information available |
| <b>Particle Size</b>    | 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** None known based on information supplied.

**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.

**Skin contact** Specific test data for the substance or mixture is not available.

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

### Information on toxicological effects

**Symptoms** No information available.

### Numerical measures of toxicity

#### Acute Toxicity

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

**ATEmix (oral)** 2,287.00 mg/kg

**Unknown acute toxicity** No information available

#### Component Information

| Chemical Name  | LD50 Oral            | LD50 Dermal | 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 ) |             |                                      |
| Zinc oxide   | > 5000 mg/kg ( Rat ) |             |                                      |
| Molybdenum (IV) sulfide  |                      |             | > 2820 mg/m <sup>3</sup> ( Rat ) 4 h |

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

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

## 12. ECOLOGICAL INFORMATION

**Marine Pollutant** This product contains a chemical which is listed as a severe marine pollutant according to DOT

**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 predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc. | >1001 mg/l   | 96h LC50: > 2000 mg/L (Salmo gairdneri)        | -                          |  |
| Zinc oxide   | Selenastrum capricornutum<br>72-hour EC50: 0.14 mg/l | Oncorhynchus mykiss<br>96-hour LC50: 0.14 mg/l | -                          | Daphnia magna<br>48-hour EC50: 0.07 mg/l |

**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 |
|-------------------------|----------------------------|
| Zinc oxide<br>1314-13-2 | Toxic                      |

## 14. TRANSPORT INFORMATION

**Notes:** As per UN3082 Limited Quantity Exemption criteria, non-bulk packages of this product are not subject to dangerous goods regulations when packaged in sizes ≤5 Liters unless transported by inland waterway.

### DOT

**UN-No.** UN3082  
**Proper Shipping Name** Environmentally hazardous substances, liquid, n.o.s.  
**Hazard Class** 9  
**Packing Group** III  
**Marine Pollutant** This product contains a chemical which is listed as a severe marine pollutant according to DOT  
**Description** UN3082, Environmentally hazardous substances, liquid, n.o.s.(Ci 77947), 9, , III,Marine Pollutant  
**Emergency Response Guide Number** 171

### TDG

**UN Number** UN3082  
**Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s.  
**Hazard Class** 9  
**Packing Group** III  
**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Ci 77947), 9, III,Marine Pollutant

### MEX

**UN-No.** UN3082  
**Proper Shipping Name** Environmentally hazardous substances, liquid, n.o.s.  
**Hazard Class** 9  
**Packing Group** III  
**Description** UN3082 Environmentally hazardous substances, liquid, n.o.s.(Ci 77947), 9, III

### ICAO

**UN-No.** UN3082  
**Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s.  
**Hazard Class** 9  
**Packing Group** III  
**Description** UN3082, Environmentally hazardous substance, liquid, n.o.s.(Ci 77947), 9, III

### IATA

**UN Number** UN3082  
**Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s.  
**Hazard Class** 9  
**Packing Group** III  
**Description** UN3082, Environmentally hazardous substance, liquid, n.o.s.(Zinc Oxide), 9, III

### IMDG

**UN Number** UN3082





|                             |   |
|-----------------------------|---|
| <b>Proper Shipping Name</b> | Environmentally hazardous substance, liquid, n.o.s.   |
| <b>Hazard Class</b>         | 9   |
| <b>Packing Group</b>        | III   |
| <b>EmS-No.</b>              | F-A, S-F  |
| <b>Marine Pollutant</b>     | Product is a marine pollutant according to the criteria set by IMDG/IMO                           |
| <b>Description</b>          | UN3082, Environmentally hazardous substance, liquid, n.o.s.(Zinc Oxide), 9, III, Marine Pollutant |

|                             |  |
|-----------------------------|--|
| <b>RID</b>                  | NOT REGULATED  |
| <b>UN-No.</b>               | UN3082   |
| <b>Proper Shipping Name</b> | Environmentally hazardous substance, liquid, n.o.s.                          |
| <b>Hazard Class</b>         | 9  |
| <b>Packing Group</b>        | III  |
| <b>Classification code</b>  | M6   |
| <b>Description</b>          | UN3082 Environmentally hazardous substance, liquid, n.o.s.(Zinc Oxide),9,III |

|                                |   |
|--------------------------------|---|
| <b>ADR</b>                     |   |
| <b>UN-No.</b>                  | UN3082  |
| <b>Proper Shipping Name</b>    | Environmentally hazardous substance, liquid, n.o.s.                               |
| <b>Hazard Class</b>            | 9   |
| <b>Packing Group</b>           | III   |
| <b>Classification code</b>     | M6  |
| <b>Tunnel restriction code</b> | (E)   |
| <b>Description</b>             | UN3082 Environmentally hazardous substance, liquid, n.o.s.(Zinc Oxide), 9, III(E) |

|                             |  |
|-----------------------------|--|
| <b>ADN</b>                  |  |
| <b>Proper Shipping Name</b> | Environmentally hazardous substance, liquid, n.o.s.                          |
| <b>Hazard Class</b>         | 9  |
| <b>Packing Group</b>        | III  |
| <b>Classification code</b>  | M6   |
| <b>Special Provisions</b>   | 274, 335, 601  |
| <b>Description</b>          | UN3082 Environmentally hazardous substance, liquid, n.o.s.(Ci 77947), 9, III |
| <b>Hazard Labels</b>        | 9  |
| <b>Limited Quantity</b>     | LQ7  |

## 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/NDL</b>       | Complies.   |
| <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/NDL** - 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    | Weight-% | SARA 313 - Threshold Values % |
|------------------------|-----------|----------|-------------------------------|
| Zinc oxide - 1314-13-2 | 1314-13-2 | 10-15    | 1.0                           |

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

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as 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 |
|-------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Zinc oxide<br>1314-13-2 |                             | X                      |                           |                            |

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### 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 |
|--------------------------------------|------------|---------------|--------------|--------------|----------|
| Zinc oxide<br>1314-13-2              | X          | X             | X            | X            |          |
| Graphite<br>7782-42-5                | X          | X             | X            |              |          |
| Molybdenum (IV) sulfide<br>1317-33-5 |            | X             |              |              |          |

## 16. OTHER INFORMATION



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|                                   |                                  |                       |                           |   |
|-----------------------------------|----------------------------------|-----------------------|---------------------------|---|
| <b>NFPA</b>                       | <b>Health hazards</b> 0          | <b>Flammability</b> 1 | <b>Instability</b> 0      | <b>Physical and Chemical Properties</b> - |
| <b>HMIS</b>                       | <b>Health hazards</b> 0          | <b>Flammability</b> 1 | <b>Physical hazards</b> 0 | <b>Personal Protection</b> X              |
| <i>Chronic Hazard Star Legend</i> | <i>* = Chronic Health Hazard</i> |                       |                           |   |

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Issuing Date** 10-Nov-2011

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**Revision Note** The symbol (\*) in the margin of this SDS indicates that this line has been revised 3

**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**