SECTION 1: Identification

Product identifier

Product Name

API-MODIFIED

Other means of identification

Product Code(s)

221

UN-No.

UN3082

Synonyms

None

Details of the supplier of the safety data sheet

Supplier Identification

Jet-Lube LLC

Address

930 Whitmore Drive
Rockwall, Texas USA
75087

Telephone

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)

China
Recommended use of the chemical and restrictions on use.

Recommended Use: Sealant Lubricants, Greases and Release Products

Uses advised against: No information available

Section 2: HAZARDS IDENTIFICATION

Emergency Overview
Irritating to skin
Contains a known or suspected carcinogen
Very toxic to aquatic organisms

VERY TOXIC TO AQUATIC ORGANISMS; MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

Appearance: Copper Bronze
Physical state: Paste / Gel
Odor: Petroleum

GHS Classification

<table>
<thead>
<tr>
<th>Acute toxicity - Oral</th>
<th>Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Dermal</td>
<td>Category 5</td>
</tr>
<tr>
<td>Acute toxicity - Inhalation (Gases)</td>
<td>Category 5</td>
</tr>
<tr>
<td>Acute toxicity - Inhalation (Vapors)</td>
<td>Category 5</td>
</tr>
<tr>
<td>Acute toxicity - Inhalation (Dusts/Mists)</td>
<td>Category 5</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 3</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 1B</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Category 1A</td>
</tr>
<tr>
<td>Effects on or via lactation</td>
<td>Yes</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Category 1</td>
</tr>
<tr>
<td>Acute aquatic toxicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Label elements

Signal word: Danger

Hazard statements
H302 - Harmful if swallowed
H313 - May be harmful in contact with skin
H316 - Causes mild skin irritation
H333 - May be harmful if inhaled
H350 - May cause cancer
H360 - May damage fertility or the unborn child
H362 - May cause harm to breast-fed children
H372 - Causes damage to organs through prolonged or repeated exposure
H410 - Very toxic to aquatic life with long lasting effects

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
Do not breathe dust/fume/gas/mist/vapors/spray
Avoid contact during pregnancy/while nursing
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not get in eyes, on skin, or on clothing
Avoid release to the environment

Precautionary Statements - Response
Specific treatment (see supplemental first aid instructions on this label)
IF exposed or concerned: Call a POISON CENTER or doctor
IF INHALED: Remove person to fresh air and keep comfortable for breathing
Immediately call a POISON CENTER or doctor
Call a POISON CENTER or doctor if you feel unwell
IF ON SKIN: Wash with plenty of water and soap
Take off immediately all contaminated clothing and wash it before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF SWALLOWED: Immediately call a POISON CENTER or doctor
Rinse mouth
Collect spillage

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Physical hazards
Not applicable

Health hazards
Immediate Health Effects: harmful. Causes skin irritation (pain, redness and swelling).

Chronic effects: Contains a known or suspected carcinogen. Contains a known or suspected reproductive toxin. May cause harm to breastfed babies. Not to be used by pregnant workers and workers who have recently given birth or who are breastfeeding.

Target organ(s).

Environmental hazards
Dangerous for the environment This material is a water pollutant. Keep out of drains, sewers, ditches and waterways. Minimize use of water to prevent environmental contamination

Other hazards
Not applicable

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance
Not applicable.

Mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td>74869-21-9</td>
<td>33-37</td>
</tr>
<tr>
<td>Lead (powder particle diameter &lt;1mm)</td>
<td>7439-92-1</td>
<td>28-34</td>
</tr>
<tr>
<td>Graphite</td>
<td>7782-42-5</td>
<td>16-19</td>
</tr>
<tr>
<td>Zinc (powder)</td>
<td>7440-66-6</td>
<td>8-13</td>
</tr>
<tr>
<td>Copper (flake)</td>
<td>7440-50-8</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>
Section 4: First aid measures

First aid measures

General advice
Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.

Inhalation
If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen.

Eye contact
Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing.

Skin contact
Get immediate medical advice/attention. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Ingestion
Get immediate medical advice/attention. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed
Coughing and/or wheezing. Difficulty in breathing. Prolonged contact may cause redness and irritation.

For emergency responders
Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Do not breathe vapor or mist. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Use personal protective equipment as required. See section 8 for more information.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Section 5: Firefighting measures

Extinguishing media

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
No information available.

Specific hazards arising from the chemical
No information available.

Hazardous Combustion Products
Carbon oxides.

Special protective actions for fire-fighters
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes or clothing.

Refer to protective measures listed in Sections 7 and 8.

Use personal protection recommended in Section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Should not be released into the environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains.

Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Precautions to prevent secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

Section 7: HANDLING AND STORAGE

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse. Do not breathe vapor or mist. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

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. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Regular cleaning of equipment, work area and clothing is recommended. Do not breathe vapor or mist. Contaminated work clothing should not be allowed out of the workplace.

See Section 8 for information on appropriate personal protective equipment

Conditions for safe storage, including any incompatibilities

Storage Conditions

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

Incompatible materials

None known based on information supplied.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>China</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead (powder particle diameter &lt;1mm) - 7439-92-1</td>
<td>TWA: 0.05 mg/m³ dust TWA: 0.03 mg/m³ fume STEL: 0.15 mg/m³ dust STEL: 0.09 mg/m³ fume</td>
<td>TWA: 0.05 mg/m³</td>
</tr>
<tr>
<td>Graphite - 7782-42-5</td>
<td>TWA: 4 mg/m³ total dust TWA: 2 mg/m³ respirable dust STEL: 8 mg/m³ total dust STEL: 4 mg/m³ respirable dust</td>
<td>TWA: 2 mg/m³ respirable particulate matter all forms except graphite fibers</td>
</tr>
<tr>
<td>Zinc (powder) - 7440-66-6</td>
<td></td>
<td>STEL: 10 mg/m³ respirable fraction TWA: 2 mg/m³ respirable fraction</td>
</tr>
<tr>
<td>Copper (flake) - 7440-50-8</td>
<td>TWA: 1 mg/m³ dust TWA: 0.2 mg/m³ fume STEL: 2.5 mg/m³ dust STEL: 0.6 mg/m³ fume</td>
<td>TWA: 0.2 mg/m³ fume TWA: 1 mg/m³ Cu dust and mist</td>
</tr>
<tr>
<td>Calcium oxide - 1305-78-8</td>
<td>TWA: 2 mg/m³ STEL: 5 mg/m³</td>
<td>TWA: 2 mg/m³</td>
</tr>
</tbody>
</table>

Legend
See section 16 for terms and abbreviations

Biological occupational exposure limits

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Biological standards</th>
<th>Monitoring and observation processes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead (powder particle diameter &lt;1mm) - 7439-92-1</td>
<td>2.0 µmol/L (blood, anytime after 3 weeks of exposure, Lead) 400 µg/L (blood, anytime after 3 weeks of exposure, Lead)</td>
<td>WS/T 112-1999</td>
</tr>
</tbody>
</table>

Monitoring and observation processes
If the referenced standard is not applicable at the point where the product is used, a suitable equivalent standard published by local standards organizations or competent authorities should be consulted.

Engineering controls
- Showers
- Eyewash stations
- Ventilation systems

Individual protection measures, such as personal protective equipment

- **Eye/face protection**
  Wear safety glasses with side shields (or goggles).

- **Skin and body protection**
  Impervious clothing. Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

- **Hand Protection**
  Wear suitable gloves. Impervious gloves.

- **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. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

- **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. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Regular cleaning of equipment, work area and clothing is recommended. Do not breathe vapor or mist. Contaminated work clothing should not be allowed out of the workplace.

**Section 9: Physical and chemical properties**
### Physical and Chemical Properties

**Physical state**
- Paste / Gel

**Appearance**
- Copper Bronze

**Odor**
- Petroleum

**Color**
- No information available

**Odor Threshold**
- No data available

#### Property Values

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>7</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Melting / freezing point</td>
<td>232 °C</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>260 °C</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 221 °C</td>
<td>Open cup</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&lt;</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>7%</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>0.9%</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>&amp;&lt;0.01&amp;20</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>&gt;5</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>2.0</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Negligible</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>&gt;260 °C</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
<td>None known</td>
<td></td>
</tr>
</tbody>
</table>

#### Other Information

- Softening Point: No information available
- Molecular Weight: No information available
- VOC Content (%): None
  - None

### Section 10: Stability and reactivity

#### Stability
Stable under normal conditions.

#### Possibility of hazardous reactions
None under normal processing.

#### Explosion Data
- Sensitivity to Mechanical Impact: None.
- Sensitivity to Static Discharge: None.

#### Conditions to avoid
Excessive heat.

#### Incompatible materials
None known based on information supplied.

#### Hazardous Decomposition Products
Carbon oxides.
Section 11: Toxicological information

Acute Toxicity

Numerical measures of toxicity

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

| ATEmix (oral)  | 10.77 mg/kg |
| ATEmix (dermal) | 5.14 mg/kg |
| ATEmix (inhalation-gas) | 4,624.00 mg/L |
| ATEmix (inhalation-dust/mist) | 0.05 mg/L |
| ATEmix (inhalation-vapor) | 11.00 mg/L |

Unknown acute toxicity

33.65% of the mixture consists of ingredient(s) of unknown acute oral toxicity
68.35% of the mixture consists of ingredient(s) of unknown acute dermal toxicity
68.35% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
68.35% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
68.35% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td>= 2280 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Zinc (powder)</td>
<td>= 630 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>= 500 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Legend
See section 16 for terms and abbreviations

Skin corrosion/irritation
Classification based on data available for ingredients. May cause skin irritation.

Serious eye damage/eye irritation
No information available.

Respiratory or skin sensitization
No information available.

Germ cell mutagenicity
No information available.

Carcinogenicity
Classification based on data available for ingredients. Contains a known or suspected carcinogen.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>China</th>
<th>IARC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead (powder particle diameter &lt;1mm)</td>
<td>Possibly carcinogenic to humans</td>
<td>Group 2A</td>
</tr>
</tbody>
</table>

IARC (International Agency for Research on Cancer)
Group 2A - Probably Carcinogenic to Humans

Reproductive toxicity
Classification based on data available for ingredients. Contains a known or suspected reproductive toxin. May cause harm to breastfed babies.

Specific Target Organ Toxicity - Single Exposure
No information available.
Specific target organ toxicity - Repeated exposure
Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard
No information available.

Section 12: Ecological information

Ecotoxicity

Unknown aquatic toxicity
53.2 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td>&gt;1001 mg/l</td>
<td>96h LC50: &gt; 2000 mg/L (Salmo gairdneri)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lead (powder particle diameter &lt;1mm)</td>
<td>-</td>
<td>LC50 96 h: = 0.44 mg/L semi-static (Cyprinus carpio) LC50 96 h: = 1.17 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: = 1.32 mg/L static (Oncorhynchus mykiss)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Zinc (powder)</td>
<td>EC50 72 h: 0.09 - 0.125 mg/L static (Pseudokirchneriella subcapitata) EC50 96 h: 0.11 - 0.271 mg/L static (Pseudokirchneriella subcapitata)</td>
<td>LC50 96 h: 0.211-0.269 mg/L semi-static (Pimephales promelas) LC50 96 h: 2.16-3.05 mg/L flow-through (Pimephales promelas) LC50 96 h: = 0.24 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: = 0.41 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 0.45 mg/L semi-static</td>
<td>-</td>
<td>EC50 48 h: 0.139 - 0.908 mg/L Static (Daphnia magna)</td>
</tr>
<tr>
<td>Product Name</td>
<td>LC50 96 h:</td>
<td>EC50 96h</td>
<td>LC50 96 h:</td>
<td>EC50 72h</td>
</tr>
<tr>
<td>----------------------</td>
<td>------------</td>
<td>-----------</td>
<td>------------</td>
<td>-----------</td>
</tr>
<tr>
<td>(Cyprinus carpio)</td>
<td>0.59 mg/L</td>
<td></td>
<td>30 mg/L</td>
<td></td>
</tr>
<tr>
<td>(Oncorhynchus mykiss)</td>
<td>2.66 mg/L</td>
<td></td>
<td>7.8 mg/L</td>
<td></td>
</tr>
<tr>
<td>(Pimephales promelas)</td>
<td>3.5 mg/L</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Lepomis macrochirus)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product Name</th>
<th>LC50 96 h:</th>
<th>LC50 96 h:</th>
<th>LC50 96 h:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper (flake)</td>
<td>0.052 mg/L</td>
<td>0.2 mg/L</td>
<td>0.0068 - 0.0156 mg/L</td>
</tr>
<tr>
<td>(Pseudokirchneriella subcapitata)</td>
<td>0.031 - 0.054 mg/L</td>
<td>(Pimephales promelas)</td>
<td>0.3 mg/L (Cyprinus carpio) 96h LC50: 0.112 mg/L (Poecilia reticulata) 96h LC50: 0.8 mg/L (Cyprinus carpio) 96h LC50: 1.25 mg/L (Lepomis macrochirus)</td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>-</td>
<td>LC50: 1070 mg/L static (Cyprinus carpio)</td>
<td>-</td>
</tr>
</tbody>
</table>

**Persistence and Degradability**
No information available.

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

**Mobility in soil**
No information available.

**Mobility**
No information available.

**Other adverse effects**
No information available.

### Section 13: Disposal considerations

**Waste treatment methods**
Dispose of in accordance with local regulations. Dispose of waste in accordance with...

---

**Page 10 / 13**
products

Contaminated packaging

**Section 14: Transport information**

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

**IATA**
- **UN-No.** UN3082
- **Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s.
- **Hazard Class** 9
- **Packing Group** III
- **ERG Code** 9L
- **Description** UN3082, Environmentally hazardous substance, liquid, n.o.s.(Lead, Zinc (powder)), 9, III

**China**
- **UN Number** UN3082
- **Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- **Hazard Class** 9
- **Packing Group** III
- **Marine Pollutant** Product is a marine pollutant according to the criteria set by IMDG/IMO
- **Environmental hazard** Yes
- **Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC, COPPER), 9, III

**Section 15: Regulatory information**

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

**National Regulations**

**Law of the People’s Republic of China on Prevention and Control of Occupational Diseases**

Catalog of occupational hazard factors: Listed. Chemical hazards.
Catalog of occupational diseases: Listed. Occupational poisoning.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead (powder particle diameter &lt;1mm)</td>
<td>Chemical hazards</td>
</tr>
<tr>
<td>Graphite</td>
<td>Inhalation of dust/particles</td>
</tr>
<tr>
<td>Copper (flake)</td>
<td>Chemical hazards</td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>Chemical hazards</td>
</tr>
</tbody>
</table>

**Regulations on the Control over Safety of Hazardous Chemicals**

Inventory of hazardous chemicals

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed. Weight-% 12

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Inventory of hazardous chemicals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc (powder)</td>
<td>Listed</td>
</tr>
</tbody>
</table>
GB 18218-2009 Identification of major hazard installations for dangerous chemicals

<table>
<thead>
<tr>
<th>Category</th>
<th>Threshold quantity (T)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxic substance</td>
<td>50</td>
</tr>
</tbody>
</table>

List of hazardous chemicals under priority management: Not applicable

**Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used**

<table>
<thead>
<tr>
<th>Inventory of highly toxic goods</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chemical name</strong></td>
</tr>
<tr>
<td>-------------------</td>
</tr>
<tr>
<td>Lead (powder particle diameter &lt;1mm)</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Regulations for Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals**

List of toxic chemicals severely restricted for import and export in China: Not applicable

<table>
<thead>
<tr>
<th><strong>Chemical name</strong></th>
<th><strong>Harmonized system code</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead (powder particle diameter &lt;1mm)</td>
<td>2853009021</td>
</tr>
</tbody>
</table>

**Measures for the Environmental Management of New Chemical Substances**

IECSC: Complies

IECSC - China Inventory of Existing Chemical Substances

**Ozone-depleting substances (ODS)**: Not applicable

**Persistent Organic Pollutants**: Not applicable

**Export Notification requirements**: Not applicable

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**Section 16: OTHER INFORMATION**

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

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**Revision Note**: 1 The symbol (*) in the margin of this SDS indicates that this line has been revised 14

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

<table>
<thead>
<tr>
<th><strong>TWA</strong></th>
<th><strong>TWA (time-weighted average)</strong></th>
<th><strong>STEL</strong></th>
<th><strong>STEL (Short Term Exposure Limit)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceiling</td>
<td>Maximum limit value</td>
<td>-</td>
<td>Skin designation</td>
</tr>
<tr>
<td>C</td>
<td>Carcinogen</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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