SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product Name  API-MODIFIED
Product Code  1392482

Other means of identification

Proper shipping name  ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.
UN number  UN3082

Recommended use of the chemical and restrictions on use

Recommended use  Sealant Lubricants, Greases and Release Products
Uses advised against  No information available

Details of the supplier of the safety data sheet

Manufacturer  Jet-Lube LLC.
930 Whitmore Drive
Rockwall Texas
75087 US
Phone: +1 972-771-1000
Fax: +1 972-722-2108

Supplier  Blick Industrial Limited
21 Kahu Crescent
Te Rapa Hamilton
3200 New Zealand
Phone: +64 7 849 2366
Email: sales@blick.group

For further information, please contact

Contact Point  Product Safety Department
E-mail address  Regulatory@jetlube.com

Emergency telephone number

Emergency Telephone  CHEMTREC +1-703-741-5970 or 1-800-424-9300 (24/7)
Poisons Information Center, New Zealand: 0800 764 766

SECTION 2: Hazards identification

EPA New Zealand HSNO approval code or group standard  Lubricants (Toxic [6.7]) Group Standard 2017 - HSR002607

Dangerous Goods Class  Hazard class 9  Packing group III

GHS Classification
Acute toxicity - Oral  Category 4  (HSNO - 6.1D)
Acute toxicity - Inhalation (Gases)  Category 4  (HSNO - 6.1D)
Acute toxicity - Inhalation (Vapours)  Category 4  (HSNO - 6.1D)
Acute toxicity - Inhalation (Dusts/Mists)  Category 4  (HSNO - 6.1D)
Skin corrosion/irritation  Category 3  (HSNO - 6.3B)
Carcinogenicity  Category 1B  (HSNO - 6.7A)
Reproductive toxicity  Category 1A  (HSNO - 6.8A)
Effects on or via lactation  Yes  (HSNO - 6.8C)
Specific target organ toxicity — repeated exposure  Category 1  (HSNO - 6.9A)
Acute aquatic toxicity  Category 1  (HSNO - 9.1A)
Chronic aquatic toxicity  Category 1  (HSNO - 9.1A)

Label elements

Signal word
Danger

Hazard statements
H302 - Harmful if swallowed
H316 - Causes mild skin irritation
H332 - 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
Use personal protective equipment as required
Do not breathe dust/fume/gas/mist/vapours/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
Use only outdoors or in a well-ventilated area
Avoid release to the environment

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
IF skin irritation occurs: Get medical advice/attention
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth
Collect spillage

Precautionary Statements - Storage
Store locked up

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

Other hazards which do not result in classification
No information available
SECTION 3: Composition/information on ingredients

Substance
Not applicable

Mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricating greases</td>
<td>74869-21-9</td>
<td>30 - &lt;60</td>
</tr>
<tr>
<td>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></td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td>7439-92-1</td>
<td>30 - &lt;60</td>
</tr>
<tr>
<td>Graphite</td>
<td>7782-42-5</td>
<td>10 - &lt;30</td>
</tr>
<tr>
<td>Zinc</td>
<td>7440-66-6</td>
<td>10 - &lt;30</td>
</tr>
<tr>
<td>Copper</td>
<td>7440-50-8</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Non-hazardous ingredients</td>
<td>Proprietary</td>
<td>Balance</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

Description of first aid measures

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

Inhalation
Remove to fresh air. If symptoms persist, call a doctor. If breathing has stopped, give artificial respiration. Get medical attention immediately.

Eye contact
Rinse thoroughly with plenty of water, also under the eyelids.

Skin contact
Wash skin with soap and water.

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

Self-protection of the first aider
Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapours or mists. Use personal protective equipment as required. See section 8 for more information.

Symptoms
Prolonged contact may cause redness and irritation. Coughing and/ or wheezing. Difficulty in breathing.

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

SECTION 5: Firefighting 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. Do not scatter spilled
material with high pressure water streams.

**Specific hazards arising from the chemical**

**Specific hazards arising from the chemical**  No information available.

**Hazardous combustion products**  Carbon oxides.

**Special protective actions for fire-fighters**

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

**Hazchem code**  •3Z.

### SECTION 6: Accidental release measures

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

**Personal precautions**  Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid breathing vapours or mists.

**Other information**  Refer to protective measures listed in Sections 7 and 8.

**For emergency responders**  Use personal protection recommended in Section 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 labelled containers.

**Precautions to prevent secondary hazards**

**Prevention of secondary hazards**  Clean contaminated objects and areas thoroughly observing environmental regulations.

### SECTION 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. Remove contaminated clothing and shoes. Ensure adequate ventilation. Avoid breathing vapours or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

**General hygiene considerations**  Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

**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>New Zealand</th>
<th>ACGIH TLV</th>
<th>United Kingdom</th>
<th>Australia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead 7439-92-1</td>
<td>TWA: 0.1 mg/m³ TWA: 0.05 mg/m³</td>
<td>TWA: 0.05 mg/m³</td>
<td>TWA: 0.15 mg/m³ STEL: 0.45 mg/m³</td>
<td>0.05 mg/m³</td>
</tr>
<tr>
<td>Graphite 7782-42-5</td>
<td>TWA: 3 mg/m³</td>
<td>TWA: 2 mg/m³ respirable particulate matter all forms except graphite fibers</td>
<td>TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td>Copper 7440-50-8</td>
<td>TWA: 0.2 mg/m³ TWA: 1 mg/m³</td>
<td>TWA: 0.2 mg/m³ fume</td>
<td>TWA: 1 mg/m³ TWA: 0.2 mg/m³ STEL: 0.6 mg/m³ STEL: 2 mg/m³</td>
<td>1 mg/m³ 0.2 mg/m³</td>
</tr>
</tbody>
</table>

Biological occupational exposure limits

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>New Zealand</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead 7439-92-1</td>
<td>1.5 µmol/L blood not critical Lead</td>
<td>200 µg/L</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

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).

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.

Environmental exposure controls
No information available.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties
Appearance
Physical state: Paste / Gel; Liquid  
Colour: bronze  
Odour: Petroleum  
Odour threshold: No information available

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>260 °C</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>221 °C</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</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>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Upper flammability or explosive limits</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Lower flammability or explosive limits</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Relative density</td>
<td>2.0</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>negligible</td>
<td></td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

9.2. Other information

Softening point: No information available  
Molecular weight: No information available  
VOC Content (%): No information available  
Liquid Density: No information available  
Bulk density: No information available

SECTION 10: Stability and reactivity

Reactivity

Reactivity: No information available.

Chemical stability

Stability: Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact: None.  
Sensitivity to static discharge: None.

Possibility of hazardous reactions

Hazardous polymerisation: Hazardous polymerisation does not occur.
Possibility of hazardous reactions
None under normal processing.

Conditions to avoid

Excessive heat.

Incompatible materials
None known based on information supplied.

Hazardous decomposition products
Carbon oxides.

SECTION 11: Toxicological information

Acute toxicity

Information on likely routes of exposure

Product Information

Inhalation
Specific test data for the substance or mixture is not available. Harmful by inhalation. (based on components).

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. Causes mild skin irritation.

Ingestion
Specific test data for the substance or mixture is not available. Harmful if swallowed. (based on components).

Symptoms
Prolonged contact may cause redness and irritation. Coughing and/or wheezing.

Acute toxicity

Numerical measures of toxicity

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

<table>
<thead>
<tr>
<th></th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricating greases</td>
<td>2280 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Zinc</td>
<td>630 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
See section 16 for terms and abbreviations

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

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

Serious eye damage/eye irritation No information available.

Sensitisation No information available.

Respiratory or skin sensitisation No information available.

Germ cell mutagenicity No information available.

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

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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>New Zealand</th>
<th>IARC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead - 7439-92-1</td>
<td>Suspected carcinogen</td>
<td>Group 2A</td>
</tr>
</tbody>
</table>

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

Reproductive toxicity Classification based on data available for ingredients. May damage fertility or the unborn child. May cause harm to breast-fed children.

STOT - single exposure No information available.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard No information available.

SECTION 12: Ecological information

Ecotoxicity

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Unknown aquatic toxicity 0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricating greases</td>
<td>-</td>
<td>LC50: &gt;2000mg/L (96h, Salmo gairdneri)</td>
<td>-</td>
</tr>
<tr>
<td>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></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td>-</td>
<td>LC50: =0.44mg/L (96h, Cyprinus carpio) LC50: =1.17mg/L (96h, Oncorhynchus mykiss) LC50: =1.32mg/L (96h, Oncorhynchus mykiss)</td>
<td>EC50: =600µg/L (48h, water flea)</td>
</tr>
<tr>
<td>Zinc</td>
<td>EC50: 0.11 - 0.271mg/L (96h, Pseudokirchneriellia subcapitata) EC50: 0.09 - 0.125mg/L (72h, Pseudokirchneriellia subcapitata)</td>
<td>LC50: 2.16 - 3.05mg/L (96h, Pimephales promelas) LC50: =0.59mg/L (96h, Oncorhynchus mykiss) LC50: =0.41mg/L (96h, Oncorhynchus mykiss)</td>
<td>EC50: 0.139 - 0.908mg/L (48h, Daphnia magna)</td>
</tr>
</tbody>
</table>
## Persistence and degradability

| Substance | EC50: 0.0426 - 0.0535mg/L (72h, Pseudokirchneriella subcapitata) | EC50: 0.031 - 0.054mg/L (96h, Pseudokirchneriella subcapitata) | LC50: 0.0068 - 0.0156mg/L (96h, Pimephales promelas) | LC50: <0.3mg/L (96h, Pimephales promelas) | LC50: =0.2mg/L (96h, Pimephales promelas) | LC50: =0.052mg/L (96h, Oncorhynchus mykiss) | LC50: =1.25mg/L (96h, Lepomis macrochirus) | LC50: =0.3mg/L (96h, Cyprinus carpio) | LC50: =0.8mg/L (96h, Cyprinus carpio) | LC50: =0.112mg/L (96h, Poecilia reticulata) | LC50: =30mg/L (96h, Cyprinus carpio) | LC50: =0.24mg/L (96h, Oncorhynchus mykiss) | LC50: =0.45mg/L (96h, Cyprinus carpio) | LC50: =7.8mg/L (96h, Cyprinus carpio) | LC50: =3.5mg/L (96h, Lepomis macrochirus) | LC50: =0.211 - 0.269mg/L (96h, Pimephales promelas) | LC50: =2.66mg/L (96h, Pimephales promelas) |
|-----------|-------------------------------------------------|-------------------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------------|
| Copper    |                                                 |                                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |

### Persistence and degradability

No information available.

### Bioaccumulative potential

**Bioaccumulation**

No information available.

### Mobility

**Mobility in soil**

No information available.

**Mobility**

No information available.

### Other adverse effects

**Other adverse effects**

No information available.

## SECTION 13: Disposal considerations

### Waste treatment methods

**Waste from residues/unused products**

Dispose of product in packaging in a way that is consistent with the Hazardous Substances (Disposal) Notice 2017 and the Act. Treat the substance using a method that changes the characteristics or composition of the substance so that the substance is no longer a hazardous substance; or export the substance from New Zealand as waste.

Class 6 and 8 substances – may be discharged into the environment if a tolerable exposure limit has been set for the substance (or a component of that substance); and the discharge does not, after reasonable mixing, result in the concentration of the substance in an environmental medium exceeding the tolerable exposure limit. If there is not tolerable exposure limit for the substance, then it may only be discharged into the environment if the substance is very rapidly converted to substances that are not hazardous substances. Class 9.1 substances – if the substance, or if it contains a component that is bioaccumulative and not rapidly degradable, then any component that is bioaccumulative and not rapidly degradable must be removed. The product may only be discharged into the environment if an environmental exposure limit has been set for the substance (or a
component of the substance); and the discharge does not, after reasonable mixing, result in the concentration of the substance in an environmental medium exceeding the environmental exposure limit.

Contaminated packaging

For packages that have been in direct contact with hazardous substances, the person must ensure that the package is rendered incapable of containing any substance. It must be disposed of in a manner that is consistent with the requirements for disposal of the substance that it contained, taking into account the material the package is manufactured from.

Packages may only be reused or recycled if the package has been treated to remove any residual contents of the hazardous substance (class 1, 2, 3, 4, or 5); or the contents of the residue in the package are below the threshold for the substance to be classified as hazardous (class 6, 8, or 9 substance).

SECTION 14: Transport information

Road transport

**ADG**
- UN number: UN3082
- Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.
- Hazard class: 9
- Packing group: III
- Environmental hazard: Yes
- Special Provisions: 274, 331, 335, 375, AU01
- Description: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.(ZINC, COPPER), 9, III
- Hazchem code: •3Z

**IATA**
- UN number: UN3082
- UN proper shipping name: Environmentally hazardous substances, liquid, n.o.s.
- Transport hazard class(es): 9
- Packing group: III
- ERG Code: 9L
- Description: UN3082, Environmentally hazardous substances, liquid, n.o.s.(Zinc, Copper), 9, III

**IMDG**
- UN number: UN3082
- UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.
- Transport hazard class(es): 9
- Packing group: III
- EmS-No: F-A, S-F
- Special Provisions: 274, 335, 969
- Description: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S., (ZINC, COPPER), Marine pollutant, 9, III

Transport in bulk according to Annex II of MARPOL and the IBC Code

No information available

SECTION 15: Regulatory information

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

New Zealand

National regulations

See section 8 for national exposure control parameters
This SDS may not cover all of the controls relevant for this substance or mixture. The Environmental Protection Authority of New Zealand (EPA) and Hazardous Substances notices should be consulted for a comprehensive list of controls and reference to the regulations.

Certified handlers, tracking and controlled substance licence requirements

Certified handlers are required for some substances. This includes for substances requiring a controlled substance licence, including Class 1 explosives, vertebrate toxic agents (9.3A, B, C), and certain fumigants. Class 6.1A and 6.1B substances such as pesticides also require Certified handlers. Please check the Health and Safety at Work Act 2015 for further information.

Tracking is required for some highly hazardous substances. These substances need to be under the control of an appropriately trained person or appropriately secured. Please check the Health and Safety at Work Act 2015 for further information.

Controlled substance licences are required to possess certain class 1 (explosive) and class 6 (vertebrate toxic agents or fumigants) substances. See Part 7 of the Health and Safety at Work Regulation 2017 for more information.

EPA New Zealand HSNO approval code or group standard

Lubricants (Toxic [6.7]) Group Standard 2017 - HSR002607

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>New Zealand HSNO Chemical Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead - 7439-92-1</td>
<td>6.1C (All),6.1C (O),6.1B,6.7B,6.8A,6.8C,6.9A (All),6.9A (D),6.9A (I),6.9B (All),6.9B (O),9.1A (All),9.1A (C),9.1B (F),9.1B (A),9.3B 6.1D (All),6.1D (O),6.6B,6.7B,6.8A,6.8C,6.9B (O),6.9A (All),6.9A (D),6.9A (I),9.1C (F),9.1B (All),9.1B (C),9.1C (A),9.3C</td>
</tr>
<tr>
<td>Zinc - 7440-66-6</td>
<td>4.2A,6.1E (I),9.1A (All),9.1A (A),9.1A (C),9.1A (F) 4.2B,4.3A,6.1E (I),9.1A (All),9.1A (A),9.1A (C),9.1A (F) 4.2B,4.3B,6.1E (I),9.1A (All),9.1A (A),9.1A (C),9.1A (F) 4.2C,4.3C,6.1E (I),9.1A (All),9.1A (A),9.1A (C),9.1A (F) 4.3B,6.1E (I),9.1A (All),9.1A (A),9.1A (C),9.1A (F)</td>
</tr>
<tr>
<td>Copper - 7440-50-8</td>
<td>6.1B (All),6.1B (I),6.1B (O),6.4A,6.5B,6.6A,6.9B (All),6.9B (I),6.9B (O),9.1A (All),9.1A (A),9.1A (C),9.1A (F),9.1A,9.2D,9.3A</td>
</tr>
</tbody>
</table>

International Inventories

NZIoC - New Zealand Inventory of Chemicals  Complies
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  Complies
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  Complies
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  Contact supplier for inventory compliance status.
ENCS - Japan Existing and New Chemical Substances  Contact supplier for inventory compliance status.
IECS - China Inventory of Existing Chemical Substances  Contact supplier for inventory compliance status.
KECL - Korean Existing and Evaluated Chemical Substances  Contact supplier for inventory compliance status.
PICCS - Philippines Inventory of Chemicals and Chemical Substances  Contact supplier for inventory compliance status.
AICS - Australian Inventory of Chemical Substances  Contact supplier for inventory compliance status.

Legend:
NZIoC - New Zealand Inventory of Chemicals
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
IECS - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer  Not applicable

The Stockholm Convention on Persistent Organic Pollutants  Not applicable
SECTION 16: Other information

Issuing Date 21-Jan-2019
Revision date 21-Jan-2019
Revision Note Not applicable.

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

Legend  Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Disclaimer

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End of Safety Data Sheet