1. Product and Company Identification

Product identifier: Lifetime Wood Treatment

Other means of identification: Treatment of wood surfaces

Recommended use: None known.

Recommended restrictions: None known.

Manufacturer information: Valhalla Wood Preservatives Ltd.
4586 Hwy 6
New Denver, British Columbia V0G 1S1 CA
Phone: 250-358-2661
Fax: 250-358-2662
Email: www.valhalco.com
Emergency Phone: 1-703-527-3887 (International)
Emergency Phone: 1-800-424-9300 (CHEMTREC)

2. Hazards Identification

Physical hazards: Not classified.

Health hazards:
- Acute toxicity, oral: Category 4
- Skin corrosion/irritation: Category 2
- Serious eye damage/eye irritation: Category 2A

Environmental hazards: Not classified.

OSHA defined hazards: Not classified.

Label elements:

Signal word: Warning

Hazard statement:
- Harmful if swallowed.
- Causes skin irritation.
- Causes serious eye irritation.

Precautionary statement:

Prevention:
- Do not eat, drink or smoke when using this product.
- Wash thoroughly after handling.
- Wear protective gloves. Wear eye/face protection.

Response:
- If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.
- If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see this label).
- 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.

Storage:
- Store away from incompatible materials.

Disposal:
- Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): None known.

Supplemental information:
- 1.79% of the mixture consists of component(s) of unknown acute oral toxicity.

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal Salt</td>
<td>HMRIRA 9506</td>
<td>HMRIRA 9506</td>
<td></td>
</tr>
</tbody>
</table>

Composition comments:
US GHS: The specific chemical identity and/or exact percentage (concentration) of composition has been withhold as a trade secret in accordance with paragraph (i) of §1910.1200.
Canada: The granted date associated with this trade secret exemption is April 8, 2016.
4. First Aid Measures

**Inhalation**
If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

**Skin contact**
If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

**Eye contact**
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.

**Ingestion**
If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.

**Most important symptoms/effects, acute and delayed**
Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

**Indication of immediate medical attention and special treatment needed**
Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General information**
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

**Suitable extinguishing media**
Treat for surrounding material.

**Unsuitable extinguishing media**
None known.

**Specific hazards arising from the chemical**
Firefighters should wear a self-contained breathing apparatus.

**Special protective equipment and precautions for firefighters**
Firefighters should wear full protective clothing including self contained breathing apparatus.

**Fire-fighting equipment/instructions**
In the event of fire, cool tanks with water spray. Cool containers with flooding quantities of water until well after fire is out.

**Specific methods**
Cool containers exposed to flames with water until well after the fire is out.

**General fire hazards**
No unusual fire or explosion hazards noted.

**Hazardous combustion products**
May include and are not limited to: Oxides of sulfur.

**Explosion data**
- **Sensitivity to mechanical impact**: Not available.
- **Sensitivity to static discharge**: Not available.

6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away. Keep out of low areas. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**
This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop the flow of material, if this is without risk. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

**Environmental precautions**
Avoid discharge into drains, water courses or onto the ground.

7. Handling and Storage

**Precautions for safe handling**
Use only with adequate ventilation. Do not taste or swallow. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid prolonged exposure. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. Keep container tightly closed.

**Conditions for safe storage, including any incompatibilities**
Store in a closed container away from incompatible materials. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.
8. Exposure Controls/Personal Protection

Occupational exposure limits

**US. ACGIH Threshold Limit Values**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal Salt (CAS HMIRA 9506)</td>
<td>TWA</td>
<td>1 mg/m3</td>
</tr>
</tbody>
</table>

**US. NIOSH: Pocket Guide to Chemical Hazards**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal Salt (CAS HMIRA 9506)</td>
<td>TWA</td>
<td>1 mg/m3</td>
</tr>
</tbody>
</table>

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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

**Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection**

Rubber gloves. Confirm with a reputable supplier first.

**Other**

Wear appropriate chemical resistant clothing. As required by employer code.

**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

**Thermal hazards**

Not applicable.

**General hygiene considerations**

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

**Appearance**

Powder

**Physical state**

Solid.

**Form**

Solid.

**Color**

Blue green.

**Odor**

Woody

**Odor threshold**

Not available.

**pH**

Not available.

**Melting point/freezing point**

Not available.

**Initial boiling point and boiling range**

Not available.

**Pour point**

Not available.

**Specific gravity**

Not available.

**Partition coefficient (n-octanol/water)**

Not available.

**Flash point**

Not available.

**Evaporation rate**

Not available.

**Flammability (solid, gas)**

Not applicable.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)**

Not available.

**Flammability limit - upper (%)**

Not available.

**Explosive limit - lower (%)**

Not available.

**Explosive limit - upper (%)**

Not available.

**Vapor pressure**

Not available.

**Vapor density**

Not available.

**Relative density**

Not available.

**Solubility(ies)**

Not available.
10. Stability and Reactivity

Reactivity
This product may react with strong oxidizing agents.

Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use.

Chemical stability
Stable under recommended storage conditions.

Conditions to avoid
Do not mix with other chemicals.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
May include and are not limited to: Sulfur oxide.

11. Toxicological Information

Routes of exposure
Inhalation. Ingestion. Skin contact. Eye contact.

Information on likely routes of exposure

Ingestion
Harmful if swallowed.

Inhalation
Prolonged inhalation may be harmful.

Skin contact
Causes skin irritation.

Eye contact
Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity
Harmful if swallowed.

Components

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal Salt</td>
<td></td>
</tr>
<tr>
<td>(CAS HMiRA 9506)</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Not available</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Not available</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Mouse</td>
</tr>
<tr>
<td></td>
<td>1520 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation
Causes skin irritation.

Exposure minutes
Not available.

Erythema value
Not available.

Oedema value
Not available.

Serious eye damage/eye irritation
Causes serious eye irritation.

Corneal opacity value
Not available.

Iris lesion value
Not available.

Conjunctival reddening value
Not available.

Conjunctival oedema value
Not available.

Recover days
Not available.

Respiratory or skin sensitization

Respiratory sensitization
Not available.

Skin sensitization
This product is not expected to cause skin sensitization.

Germ cell mutagenicity
Non-hazardous by WHMIS/OSHA criteria.

Mutagenicity
Non-hazardous by WHMIS/OSHA criteria.

Carcinogenicity
Non-hazardous by WHMIS/OSHA criteria.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.
### Reproductive toxicity
Non-hazardous by WHMIS/OSHA criteria.

### Teratogenicity
Non-hazardous by WHMIS/OSHA criteria.

### Specific target organ toxicity - single exposure
Not classified.

### Specific target organ toxicity - repeated exposure
Not classified.

### Aspiration hazard
Not available.

### Chronic effects
Prolonged inhalation may be harmful.

### Further information
Not available.

### Name of Toxicologically Synergistic Products
Not available.

### 12. Ecological Information

#### Ecotoxicity
See below

<table>
<thead>
<tr>
<th>Ecotoxicological data</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Components</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Metal Salt (CAS HMIRA 9506)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>6.15 - 9.26 mg/L, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>0.56 mg/L, 96 hours</td>
</tr>
<tr>
<td><strong>Persistence and degradability</strong></td>
<td>No data is available on the degradability of this product.</td>
<td></td>
</tr>
<tr>
<td><strong>Bioaccumulative potential</strong></td>
<td>No data available.</td>
<td></td>
</tr>
<tr>
<td><strong>Mobility in soil</strong></td>
<td>No data available.</td>
<td></td>
</tr>
<tr>
<td><strong>Mobility in general</strong></td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td><strong>Other adverse effects</strong></td>
<td>No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.</td>
<td></td>
</tr>
</tbody>
</table>

### 13. Disposal Considerations

#### Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Local disposal regulations
Dispose in accordance with all applicable regulations.

#### Hazardous waste code
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

#### Waste from residues / unused products
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

#### Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport Information

#### U.S. Department of Transportation (DOT)

**Basic shipping requirements:**

- **UN number**: UN3077
- **Proper shipping name**: Environmentally hazardous substances, solid, n.o.s.
- **Technical name**: Sulfuric acid, iron(2+) salt, heptahydrate
- **Hazard class**: 9
- **Packing group**: III
- **Special provisions**: 8, 146, 335, A112, B54, B120, IB8, IP3, N20, N91, T1, TP33
- **Packaging non bulk**: 212
- **Packaging bulk**: 242

#### Transportation of Dangerous Goods (TDG - Canada)

**Basic shipping requirements:**

- **UN number**: UN3077
- **Proper shipping name**: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S
- **Technical name**: Sulfuric acid, iron(2+) salt, heptahydrate
- **Hazard class**: 9
- **Packing group**: III
- **Special provisions**: 16
15. Regulatory Information

Canadian federal regulations
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

WHMIS status
Controlled

WHMIS classification
Class D - Division 2B

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Metal Salt (CAS HMIRA 9506) Listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
No

SARA 311/312 Hazardous chemical
No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

Food and Drug Administration (FDA)
Not regulated.

US state regulations

US - California Hazardous Substances (Director’s): Listed substance
Metal Salt (CAS HMIRA 9506) Listed.

Metal Salt (CAS HMIRA 9506)

US - Louisiana Spill Reporting: Listed substance
Metal Salt (CAS HMIRA 9506) Listed.

US - Minnesota Haz Subs: Listed substance
Metal Salt (CAS HMIRA 9506) Listed.
US - New Jersey RTK - Substances: Listed substance
Metal Salt (CAS HMIRA 9506)

US - Texas Effects Screening Levels: Listed substance
Metal Salt (CAS HMIRA 9506)

US. Massachusetts RTK - Substance List
Metal Salt (CAS HMIRA 9506)

US. Pennsylvania RTK - Hazardous Substances
Metal Salt (CAS HMIRA 9506)

US. Rhode Island RTK
Metal Salt (CAS HMIRA 9506)

US. California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Severe</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Serious</td>
<td>3</td>
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</tr>
<tr>
<td>Moderate</td>
<td>2</td>
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</tr>
<tr>
<td>Slight</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Minimal</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

**Legend**

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>/ 2</td>
<td>0</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Issue date 21-April-2016
Effective date 29-May-2015
Expiry date 29-May-2018
Further information For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.
Prepared by Dell Tech Laboratories Ltd. Phone: (519) 858-5021
Other information This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).