SAWDUST

SECTION 1. IDENTIFICATION

Product Identifier: SAWDUST
Other Means of Identification: Wood by-product
Product Family: Lost Circulation Material
Recommended Use: Drilling Fluid Additive.
Emergency Phone No.: ChemTrec, (800) 424-9300, 24/7

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Flammable solid - Category 2; Acute toxicity (Inhalation) - Category 4; Skin corrosion/irritation - Category 2; Serious eye damage/eye irritation - Category 2B; Skin sensitization - Category 1A; Carcinogenicity - Category 2; Specific target organ toxicity (repeated exposure) - Category 2

GHS Label Elements
Signal Word: WARNING!
Can cause serious eye, skin and respiratory tract irritation.
Skin sensitizer: allergic dermatitis may become vesicular dermatitis if exposures are repeated.
Carcinogen: IARC has classified "wood dust" as Group I, Carcinogenic to Humans.

Other Hazards
Combustible: product contains wood by-products.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains no hazardous ingredients.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>%</th>
<th>Other Identifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Softwood Dust</td>
<td>N/A</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation
Move to fresh air. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. Get medical attention if breathing difficulties continue.

Skin Contact
Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes.
Eye Contact
Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice/attention.

Ingestion
Get medical attention.

First-aid Comments
Seek medical attention if symptoms develop or persist.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog. Suggest water spray for large fires.

Specific Hazards Arising from the Chemical
Can ignite if heated. Auto-ignition temperature = 204-260°C

Material will burn under fire conditions.

Special Protective Equipment and Precautions for Fire-fighters
Move containers from fire area or cool with water spray, if possible. Firefighters must wear a full-body encapsulating chemical protective suit with positive-pressure self-contained breathing apparatus (SCBA).

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures
Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Methods and Materials for Containment and Cleaning Up
Use appropriate safety equipment. Sweep up and collect uncontaminated material for repackaging. Sweep up and collect contaminated material for disposal. Avoid generating and spreading dust.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling
Wear appropriate protective equipment. Avoid generating dusts. Only use where there is adequate ventilation. Avoid ignition sources. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

Conditions for Safe Storage
Store in a cool, dry, ventilated area away from ignition sources.

SECTION 8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Softwood

ACGIH-TWA:5.0

ACGIH-STEL:10.0

ACGIH® = American Conference of Governmental Industrial Hygienists.
TWA = Time-Weighted Average.
STEL = Short-term Exposure Limit.

Appropriate Engineering Controls
Use a local exhaust ventilation and enclosure, if necessary, to control amount in the air. Ensure an eyewash station and emergency shower are available in immediate work area.

Individual Protection Measures

Eye/Face Protection
Wear chemical safety goggles. Provide eyewash and safety shower if contact or splash hazard exists.

**Skin Protection**
Wear chemical protective clothing e.g. gloves, aprons, boots.

**Respiratory Protection**
Wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Basic Physical and Chemical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
</tr>
<tr>
<td><strong>Odour</strong></td>
</tr>
<tr>
<td><strong>Odour Threshold</strong></td>
</tr>
<tr>
<td><strong>pH</strong></td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
</tr>
<tr>
<td><strong>Upper/Lower Flammability or Explosive Limit</strong></td>
</tr>
<tr>
<td><strong>Vapour Density (air = 1)</strong></td>
</tr>
<tr>
<td><strong>Relative Density (water = 1)</strong></td>
</tr>
<tr>
<td><strong>Solubility</strong></td>
</tr>
<tr>
<td><strong>Auto-ignition Temperature</strong></td>
</tr>
</tbody>
</table>

#### Other Information

- **Physical State**: Solid
- **Molecular Formula**: Not applicable
- **Molecular Weight**: Not applicable
- **Bulk Density**: Not available
- **Critical Temperature**: Not available

### SECTION 10. STABILITY AND REACTIVITY

**Chemical Stability**
Normally stable. May undergo auto-ignition at high temperatures (204-260°C).

**Possibility of Hazardous Reactions**
Hazardous polymerization will not occur.

**Conditions to Avoid**
Open flames, sparks, static discharge, heat and other ignition sources. Contact with combustible materials.

**Incompatible Materials**
Strong oxidizing agents.

**Hazardous Decomposition Products**
Thermal decomposition will result in the following: water, carbon dioxide, formic acid, acetic acid, carbon monoxide, methane, wood coal and aldehydes.

### SECTION 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure**
Eyes, skin, inhalation.

**Skin Corrosion/Irritation**
Skin contact may cause erythema, blistering, erosion and secondary infections of the skin, redness, scaling, itching, and vesicular dermatitis.

**Serious Eye Damage/Irritation**
May cause redness and irritation of the eye.

**STOT (Specific Target Organ Toxicity) - Single Exposure**

**Inhalation**
Airborne treated or untreated wood dust may cause nose, throat or lung irritation. Various species of untreated wood dust can elicit allergic respiratory response in sensitized persons, hypersensivity, asthma, suberosis, granulomatous pneumonitis, or acute airway obstruction.

**Ingestion**
Not anticipated to occur. A single ingestion of a very large dose of wood dust may require immediate medical attention.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**
Chronic exposure to wood dusts can result in dermatitis reactions, asthma, pneumonitis, and coughing, wheezing, fever and other signs and symptoms associated with chronic bronchitis.

**Respiratory and/or Skin Sensitization**
Pinenes that contain delta-caratene are classified as sensitizers. Such substances may produce an allergic reaction after initial exposure. Allergic dermatitis typically results in redness, scaling and itching, which may become vesicular dermatitis if exposure are repeated. This type of dermatitis often occurs on the hands, face, forearms, eyelids, neck, and genitals, and will sometimes not appear until several years have passed following the exposure, although frequently the signs are apparent within a few days or weeks.

**Carcinogenicity**
The International Agency for Research on Cancer (IARC) has classified "wood dust" as Group I, Carcinogenic to Humans.

No information was located for: Development of Offspring, Sexual Function and Fertility, Germ Cell Mutagenicity, Interactive Effects

**SECTION 12. ECOLOGICAL INFORMATION**
No ecotoxicity or environmental fate data available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal Methods**
Recycle and reuse product, if possible. Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

**SECTION 14. TRANSPORT INFORMATION**
Not regulated under Canadian TDG Regulations.

**Special Precautions for User**
Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**
Not applicable

**SECTION 15. REGULATORY INFORMATION**

**Safety, Health and Environmental Regulations**

**Canada**

**WHMIS Classification**
Not a WHMIS controlled product.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

**SECTION 16. OTHER INFORMATION**

**SDS Prepared By**
Bri-Chem Supply Ltd

**Product Identifier:** SAWDUST

**Date of Preparation:** February 25, 2016
Disclaimer
This Health and Safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage, and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.