

SAWDUST

SECTION 1. IDENTIFICATION

Product Identifier	SAWDUST
Other Means of Identification	Wood by-product
Product Family	Lost Circulation Material
Recommended Use	Drilling Fluid Additive.
Supplier	Bri-Chem Supply Ltd., Bay 4, 5510 - 3rd Street SE, Calgary, Alberta, T2H 1J9, Bri-Chem Supply, 403-252-5904, www.brichemsupply.com
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.

Chemical Name	CAS No.	%	Other Identifiers
Softwood Dust	N/A	100%	

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.

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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/PERSONAL 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**

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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

Basic Physical and Chemical Properties

Appearance	Beige - yellow fibres. Particle Size: Not available
Odour	Pine
Odour Threshold	Not available
pH	Not applicable
Flash Point	Not available
Evaporation Rate	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	0.4 - 0.6
Solubility	Insoluble in water; Not available (in other liquids)
Auto-ignition Temperature	204 - 260 °C
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

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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, hypersensitivity, 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

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Phone No. (403) 252-5904

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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.

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