

KWIK-SEAL® FINE, MEDIUM, COARSE

SECTION 1. IDENTIFICATION

Product Identifier	KWIK-SEAL® FINE, MEDIUM, COARSE
Other Means of Identification	Wood fibre blend
Product Family	Lost Circulation Material
Recommended Use	Drilling Fluid Additive.
Supplier Identifier	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. HAZARD IDENTIFICATION

Classification

Not classified under any hazard class.

Label Elements

Not applicable

Other Hazards

WARNING! Combustible dust.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Wood, Wood Fibres, Ground Hulls or Shells	Not applicable		
Synthetic Flakes	Not applicable		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

If large quantities have been inhaled, keep airway open as necessary and seek medical attention.

Skin Contact

Remove material from skin and clothing. Wash off with soap and plenty of water. Wash heavily contaminated clothing before re-use. If irritation develops or persists, seek medical attention.

Eye Contact

Remove material from eye(s). Immediately flush the contaminated eye(s) with lukewarm, gently flowing water while holding the eyelid(s) open. If eye irritation develops or persists, seek medical attention.

Ingestion

No significant adverse health effects are expected to develop if small amounts (less than a mouthful) are swallowed.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

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Suitable Extinguishing Media

Use water, dry chemical, foam.

Specific Hazards Arising from the Product

Can contain sufficient fines to cause a combustible dust explosion.

Airborne dust creates explosion hazard.

Hazardous combustion products: carbon dioxide, carbon monoxide, aldehydes, organic acids.

Special Protective Equipment and Precautions for Fire-fighters

Do not breathe smoke, gases or vapours generated. Slip hazard if spilled material becomes wet.

Firefighters exposed to products of combustion should 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. Avoid prolonged breathing of airborne wood dust. In case of exposure to high levels of airborne dust, wear a personal respirator.

Environmental Precautions

Not expected to cause an environmental hazard as a result of its intended use, disposal or incineration. It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Sweep or vacuum spilled material and repackage. After cleaning, flush away traces with water.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Handle in accordance with good industrial hygiene and safety practices. Avoid conditions that generate airborne dust in handling, transfer and clean up. Product may form combustible dust-air mixtures. Avoid contact with skin, eyes and clothing. Wear suitable personal protection equipment. Remove material from eyes, skin and clothing.

Handle in accordance with good industrial hygiene and safety practice. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

Conditions for Safe Storage

Store in sealed containers in a cool, dry place away from heat and flames. Emptied containers retain product residue; handle with the same care and attention as if full.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

(Nut Shell)

OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. TWA = Time-Weighted Average (8-hours) 15 mg/m³ (total dust)

(Wood Fibres, Cellulose)

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. 1 mg/m³

OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. TWA = Time-Weighted Average. 15 mg/m³ (total dust); 5 mg/m³ (respirable fraction)

(Synthetic Flakes)

OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. TWA = Time-Weighted Average (8-hours) 15 mg/m³ (total dust); 5 mg/m³ (respirable)

(Synthetic Fibres)

OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. TWA = Time-Weighted Average (8-hours) 15 mg/m³ (total dust); 5 mg/m³ (respirable).

Appropriate Engineering Controls

Ventilation. Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits in this section. The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment.

Individual Protection Measures

Eye/Face Protection

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Protect eyes from exposure. Where there is significant potential for eye contact, wear chemical goggles. Ensure an eyewash station is in work area.

Skin Protection

Wear appropriate protective clothing.

Respiratory Protection

Use NIOSH/MSHA-approved respiratory protection equipment when airborne exposure exceeds established guidelines.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Tan - brown flakes. Particle Size: Not applicable
Odour	Slight
Odour Threshold	Not available
pH	Not applicable
Melting Point/Freezing Point	Not applicable (melting); Not applicable (freezing)
Initial Boiling Point/Range	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not applicable
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	Not applicable
Solubility	Insoluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not applicable
Auto-ignition Temperature	Not available
Decomposition Temperature	Not applicable
Viscosity	Not applicable (kinematic)
Other Information	
Physical State	Solid
Molecular Formula	Not applicable
Molecular Weight	Not applicable
Bulk Density	Not applicable
Surface Tension	Not applicable
Critical Temperature	Not available
Vapour Pressure at 50 deg C	Not applicable
Saturated Vapour Concentration	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Normally stable.

Incompatible Materials

None known.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, aldehydes, organic acids, nitrogen oxides, cyanide, other products of wood combustion.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Skin contact; eye contact; inhalation.

Skin Corrosion/Irritation

Wood dust can cause contact dermatitis in sensitized individuals.

Serious Eye Damage/Irritation

Wood dust can cause eye irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Wood dust is a respiratory irritant. Avoid prolonged breathing of airborne wood dust. Use approved respirators to avoid breathing wood dust.

Ingestion

Not toxic if swallowed (less than a mouthful) based on available information.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Inhalation of wood dust may increase the risk of lung fibrosis (scarring).

Repeated exposure over many years to uncontrolled wood dust increases the risk of nasal cavity cancer. There are increased risks of respiratory and skin sensitization from wood and resin resulting in asthma and dermatitis.

Carcinogenicity

(Nut Shell), (Synthetic Fibres), (Synthetic Flakes)

Not listed as carcinogens.

(Wood Fibre, Cellulose)

IARC: Group 1 (carcinogenic to humans)

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

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

LC50 96-hr mysid shrimp, in standard drilling fluid: > 1,000,000 ppm suspended particulate phase.

Microtox® Toxicity: Photobacterium phosphoreum: Non-toxic

Bioaccumulative Potential

Inert material.

Mobility in Soil

Inert material.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

If practical, recover, reclaim or recycle. Dispose of in accordance with federal, provincial and local government regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Special Precautions 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

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Canada

WHMIS 1988 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

Phone No. (403) 252-5904

Date of Preparation February 04, 2016

Date of Last Revision July 21, 2016

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