

DRISPAC®

SECTION 1. IDENTIFICATION

Product Identifier	DRISPAC®
Product Family	Fluid Loss Control Additive
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

Not classified under any GHS hazard classes.

GHS Label Elements

Not applicable

Other Hazards

Static hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material; bonding and grounding may be necessary.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Proprietary Materials	Proprietary	100	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial resuscitation. Get medical attention if breathing difficulties continue.

Skin Contact

To remove the material from the skin, use soap and water. Discard contaminated clothing and shoes or thoroughly launder before re-use. If irritation develops or persists, seek medical attention.

Eye Contact

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water while holding the eyelid(s) open. Remove contact lenses, if worn, after initial flushing and continue flushing for at least 15 minutes. Obtain immediate medical attention.

Ingestion

If swallowed, do not induce vomiting. Give the person a glass of water or milk to drink and get immediate medical attention. Never give anything by mouth to an unconscious or convulsing victim.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog, foam, carbon dioxide (CO₂) or dry chemical powder.

Product Identifier:	DRISPAC®
SDS No.:	1000
Date of Preparation:	January 18, 2016

Specific Hazards Arising from the Chemical

Not classified as flammable or combustible.

Special Protective Equipment and Precautions for Fire-fighters

Material will not burn unless pre-heated. Clear the area of all non-emergency personnel. Cool surrounding equipment, fire-exposed containers and structures with water. Container areas exposed to direct flame contact should be cooled with large quantities of water (2m³ of water per minute flame impingement exposure) to prevent weakening of container structure.

Firefighters 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.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Avoid creating dust clouds. Shovel, sweep or use industrial vacuum cleaner to pick up. Place in container for proper disposal. Reduce airborne dust and prevent scattering by moistening with water.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Wear personal protective equipment if contact is unavoidable. Only use where there is adequate ventilation. Use caution to avoid generating dust and to prevent inhalation of dust. Airborne dust concentrations above 20 mg/L may create dust explosion hazard. Avoid generating and breathing dust. Avoid contact with skin, eyes and clothing. Keep containers tightly closed when not in use or empty. Discard contaminated clothing and shoes or thoroughly clean before re-use.

Static Hazard: Electostatic charge may accumulate and create a hazardous condition when handling this material.; bonding and grounding may be necessary. Use appropriate mitigating procedures.

It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

Conditions for Safe Storage

Treat as a solid that can burn. Store away from oxidizing materials in a cool, dry place with adequate ventilation. Bond and ground transfer equipment. DO NOT USE OR STORE near heat, sparks or open flames. USE AND STORE ONLY IN WELL-VENTILATED AREA. Keep container closed when not in use. Containers, even those that have been emptied, can contain residues of dust or solid particles which can create both health and fire/explosion hazards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control as Particulate Not Otherwise Classified (PNOC).

The ACGIH Guideline* for respirable dust is 3.0 mg/m³ and 10.0 mg/m³ for total dust.

The OSHA PEL for respirable dust is 5.0 mg/m³ and 15.0 mg/m³ for total dust.

* This value is for inhalable (total) particulate matter containing no asbestos and < 1.0% crystalline silica.

Appropriate Engineering Controls

If heated material generates vapours or fumes, use process enclosures, local exhaust ventilation or other engineering controls to control exposure.

If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear impervious protective clothing and boots as required to prevent contact. Nitrile gloves are recommended.

Respiratory Protection

Wear a NIOSH approved air-purifying respirator for dusts if contact is possible.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	White - Off-white powder. Particle Size: Not applicable
Odour	Odourless
Odour Threshold	Not applicable
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 applicable (upper); Not applicable (lower)
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	1.5 at 20 °C
Solubility	Very soluble in water; Not applicable (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not applicable
Auto-ignition Temperature	Not applicable
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 applicable
Electrical Conductivity	Not applicable
Vapour Pressure at 50 deg C	Not applicable
Saturated Vapour Concentration	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Stable under recommended storage and handling conditions (see section 7).

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

No data available.

Incompatible Materials

No data available.

Hazardous Decomposition Products

No data available.

Product Identifier: DRISPAC®
SDS No.: 1000
Date of Preparation: January 18, 2016

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

LC50 Acute Inhalation Rat: > 2000 mg/m³ / 4 hours

LD50 Acute Oral Rat: > 2500 mg/kg

LD50 Acute Dermal Rabbit: > 2000 mg/kg

Skin Corrosion/Irritation

Contact with skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.

Serious Eye Damage/Irritation

Not expected to cause prolonged or significant eye irritation. Material is dusty and may scratch the surface of the eye.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Not expected to be harmful if inhaled.

Skin Absorption

Not expected to be harmful to internal organs if absorbed through the skin.

Ingestion

Not expected to be harmful if swallowed.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Long-term exposure to high dust concentrations may cause non-debilitating lung changes.

Other Information

The toxicological properties of this product have not been tested or have not been tested completely and its handling or use may be hazardous. EXERCISE DUE CARE.

No information was located for: Respiratory and/or Skin Sensitization, Carcinogenicity, Development of Offspring, Sexual Function and Fertility, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

Persistence and Degradability

This material is expected to be readily biodegradable.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Use material for its intended purpose or recycle if possible. Dispose of in accordance with federal, provincial and local government regulations.

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

Product Identifier: DRISPAC®
SDS No.: 1000
Date of Preparation: January 18, 2016

Canada

WHMIS Classification

Not a WHMIS controlled product.

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

This product is listed on the Domestic Substances List (DSL).

Additional Canadian Regulatory Lists

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 0** **Flammability - 0** **Instability - 0**

SDS Prepared By Bri-Chem Supply Ltd

Phone No. (403) 252-5904

Date of Preparation January 18, 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.

Product Identifier: DRISPAC®
SDS No.: 1000
Date of Preparation: January 18, 2016

Page 05 of 05