

SECTION 1. IDENTIFICATION

Product Identifier JetCorr
Product Family Blend
Recommended Use Drilling Fluid Additive.
Supplier Identifier Blackstone Drilling Fluids Ltd., 1600, 510 - 5th Street S.W., Calgary, Alberta, T2P 3S2, 403-262-5955
Emergency Phone No. CANUTEC, 613-996-6666 or *666 on a cellular phone (Canada Only), 24 Hours / Day

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Flammable liquid - Category 4; Acute toxicity (Inhalation) - Category 4; Skin irritation - Category 2; Serious eye damage - Category 1; Skin sensitization - Category 1B

Label Elements

Signal Word:

Danger

Hazard Statement(s):

H227 Combustible liquid.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Precautionary Statement(s):

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands and skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.
P333 + P313 If skin irritation or rash occurs: Get medical advice or attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310 Immediately call a POISON CENTRE or doctor.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P403 Store in a well-ventilated place.

Disposal:

P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | % | Other Identifiers | Other Names |
|--|------------|----------|-------------------|-------------|
| Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine derivs. residues | 68909-77-3 | 60 - 100 | | |

Notes

Concentrations are expressed in % weight/weight

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. If breathing has stopped, trained personnel should begin rescue breathing. Seek medical attention if irritation develops or persists.

Skin Contact

Quickly and gently blot or brush away excess chemical. Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. Seek medical attention if irritation develops or persists.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Seek medical attention if irritation develops or persists.

Ingestion

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Seek medical attention.

Most Important Symptoms and Effects, Acute and Delayed

If on skin:

May cause moderate to severe irritation. If in eyes:

May cause moderate to severe irritation.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

Water Jet.

Specific Hazards Arising from the Product

Combustible liquid. Can ignite if heated. Releases vapour that can form explosive mixture with air at or above the flash point.

Special Protective Equipment and Precautions for Fire-fighters

Fight fire from a safe distance or a protected location. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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. Increase ventilation to area or move leaking container to a well-ventilated and secure area.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. Do not flush to drain.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. After cleaning, flush away traces with water. Collect washing for disposal.

SECTION 7. HANDLING AND STORAGE**Precautions for Safe Handling**

Prevent uncontrolled release of product. Immediately report leaks, spills or failures of the safety equipment (e.g. ventilation system). Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs.

Conditions for Safe Storage

Store in an area that is: cool, temperature-controlled, well-ventilated, out of direct sunlight and away from heat and ignition sources. Do not store in unlabeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control Parameters**

Not available.

Appropriate Engineering Controls

General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Chemically resistant gloves should be used. Skin contact should be minimized through use of gloves and suitable long sleeved clothing (i.e., shirt and pants, coveralls) consideration must be given both to durability as well as permeation resistance. **Respiratory Protection**

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

| | |
|--|---|
| Appearance | Dark liquid. |
| Odour | Ammonia-like |
| Odour Threshold | Not available |
| pH | Not available |
| Melting Point/Freezing Point | Not available (melting); Not available (freezing) |
| Initial Boiling Point/Range | 249 °C (480 °F) |
| Flash Point | 61 °C (142 °F) (closed cup) |
| Evaporation Rate | Not available |
| Upper/Lower Flammability or Explosive Limit | Not available (upper); Not available (lower) |
| Vapour Pressure | Not available |

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| | |
|---|-------------------------------------|
| Vapour Density (air = 1) | > 1 |
| Relative Density (water = 1) | 1.1 at 25 °C (77 °F) |
| Solubility | Soluble (more than 10-50%) in water |
| Partition Coefficient, n-Octanol/Water (Log Kow) | Not available |
| Auto-ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Viscosity | Not available (kinematic) |
| Other Information | |
| Physical State | Liquid |

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources.

Incompatible Materials

Acids
Nitrites.

Hazardous Decomposition Products

Oxides of Carbon
Ammonia
Oxides of Nitrogen
Aldehydes
Ketones.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|--|---------------|---------------|---------------|
| Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine derivs. residues | Not available | Not available | Not available |

Skin Corrosion/Irritation

May cause skin irritation.

Serious Eye Damage/Irritation

May irritate or burn the eyes. Permanent damage including blindness may result.

STOT (Specific Target Organ Toxicity) - Single Exposure Inhalation

May be harmful based on limited evidence.

Carcinogenicity

| Chemical Name | IARC | ACGIH® | NTP | OSHA |
|--|------------|------------|------------|------------|
| Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine derivs. residues | Not Listed | Not Listed | Not Listed | Not Listed |

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Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and

Fertility No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located. **Persistence and Degradability**

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

Studies are not available.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal Methods**

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

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

All intentional components of this product are either on the DSL, the confidential DSL or notifications / import restrictions are in place.

USA**Toxic Substances Control Act (TSCA) Section**

8(b) All ingredients are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

SDS Prepared By Product Safety Committee

Phone No. 403-262-5955

Date of Preparation Dec 18, 2018

Disclaimer To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.