

Product Information



15640 Mountainview Dr., White Rock, BC V4P 2W9 • Tel: (604) 535-6699 Fax: (604) 535-5493

Extreme Stop

Lost Circulation Material

Description

Extreme Stop is a specially developed polymer which will absorb up to 500 times its own weight of water. Comes in the form of white free flowing granules.

Principle Use

Extreme Stop granules expand when in contact with water. The resulting product resembles large, clear, jelly cubes which are ideal for sealing cracks, fractures and voids. Extreme Stop is a very effective lost circulation material due to its ability to reform and reshape, fitting into all sizes and shapes of the loss zone. High swelling capability means economy due to less product required to stop loss. A little goes a long way. Can be used with all types of drilling fluids and other lost circulation material. Does not bind rods in the hole like other fibrous products. Can be poured down the outside of drill rods on dry holes to reduce vibration.

Application

Place 5 liters of granules in 10 liters of water and allow to expand by soaking up the water. The expanded granules resemble tapioca sized jelly. Place 1 or 2 liters of this partially expanded jelly directly down the drill rods when the core tube is out. Flush down hole. Replace core tube and drill. Repeat as necessary to stop loss.

Packaging

Extreme Stop comes packaged in a 5 gallon, high impact plastic pail with a snap-on lid. 24 pails per pallet.

MATERIAL SAFETY DATA SHEET



5640 Mountainview Dr., White Rock, BC V4P 2W9 • Tel: (604) 535-6699 Fax: (604) 535-54

EMERGENCY PHONE NO. (604) 535-6699

PAGE 1 OF 4

WHMIS HAZARD INDEX:

DEGREE OF HAZARD:

HEALTH 0
FIRE 0
REACTIVITY 0
OTHER: 0

HAZARD RATING:

0 LEAST
1 SLIGHT
2 MODERATE
3 HIGH
4 EXTREME

SECTION 1

PRODUCT IDENTIFICATION

PRODUCT NAME:
CHEMICAL IDENTIFICATION:
MATERIAL USE:
WHMIS CLASSIFICATION:
WORK PLACE HAZARD:

EXTREME STOP
Acrylamide Copolymer
Lost Circulation Material
Non Hazardous
Not Applicable

TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION:
PACKAGE GROUP:
CAS NUMBER:
MSDS CODE:

Not Dangerous Goods
N/A
N/A
N/A

SECTION 2

HAZARDOUS INGREDIENTS

INGREDIENT:
PERCENTAGE:
CAS NUMBER:
LD (50):
LC (50):

None Considered Hazardous
N/A
N/A

EXTREME PRODUCTS & DRILLING SUPPLIES INC.**PAGE 2 OF 4****MATERIAL SAFETY DATA SHEET****EXTREME STOP****SECTION 3****PHYSICAL DATA**

APPEARANCE AND ODOUR:	White Freeflowing Granules, very mild odour.
DENSITY (SPECIFIC GRAVITY):	1.05
BOILING POINT:	N/A
MELTING POINT:	N/A
SOLUBILITY:	>60%
EVAPORATION RATE: (EE=1):	N/A
VAPOUR PRESSURE: (MM HG):	N/A
VAPOUR DENSITY: (AIR = 1):	N/A

SECTION 4**FIRE AND EXPLOSION**

FLASHPOINT:	No Data
FLAMMABLE LIMIT:	Not Determined
AUTO IGNITION TEMP:	No Data
EXTINGUISHING MEDIA:	Dry chemical, foam, water fog, CO ₂
SPECIAL FIRE FIGHTING PROCEDURES:	None
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None

SECTION 5**REACTIVITY DATA**

STABILITY (THERMAL, LIGHT, ETC.):	Stable
INCOMPATIBILITY (CONDITIONS TO AVOID):	Oxidizing Agents
HAZARDOUS POLYMERIZATION:	Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of Carbon as products of combustion.

EXTREME PRODUCTS & DRILLING SUPPLIES INC.**PAGE 3 OF 4****EXTREME STO.****MATERIAL SAFETY DATA SHEET****SECTION 6 HEALTH HAZARDS****ROUTE OF ENTRY:****() SKIN () EYE CONTACT () INHALATION () INGESTION****SKIN CONTACT: N/A****EYE CONTACT: N/A****INHALATION: N/A****INGESTION: N/A****SECTION 7 PREVENTATIVE MEASURES****SKIN PROTECTION:**

No special requirements.

EYE PROTECTION:

Goggles, may be nuisance dust.

VENTILATION:

No special requirements.

RESPIRATORY PROTECTION

If nuisance dust use dust mask.

LEAK & SPILL PROCEDURE.

Collect in container. Dispose with solid waste. Non hazardous.

WASTE DISPOSAL:

Dispose of in compliance with local and government regulations.

STORAGE REQUIREMENTS.

Store in a cool, dry area, away from oxidizing agents. Keep containers closed when not in use.

EXTREME STOP

MATERIAL SAFETY DATA SHEET

SECTION 8 FIRST AID MEASURES

SKIN:	N/A
EYE:	N/A
INHALATION:	N/A
INGESTION:	N/A

SECTION 9 PREPARATION DATE

DATE ISSUED:	AUGUST 20, 1996
BY:	PRODUCT SAFETY COMMITTEE

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DATE REVISED:

Product Information



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Extreme Number One

Granular Drilling Mud Polymer

Description

Ultra High Grade, Anionic, Acrylamide Copolymer in the form of a free flowing coarse white powder.

Principle Use

The Number One choice for demanding hole conditions when Bentonite is unavailable or unwanted. A one product drilling fluid. Excellent for winter. Product does not freeze in container. Economical. Ultra High Grade means less product required on jobs and less product to fly into remote sites. Lifts cuttings and stabilizes the hole. Reduces torque and drag in the hole. Greatly reduces swelling of clays and shales. Can be used to make stiff foam for air drilling. Environment Friendly. Extremely Effective.

Mixing

Add a small amount of Extreme Number One to water in the mixing tank. Sprinkle slowly into turbulent water when mixer is on high. Increase the quantity added of Extreme Number One if hole conditions are difficult. For fast mixing, add Extreme Number One to a small amount of vegetable oil first and then pour quickly into turbulent water.

Packaging

Extreme Number One comes in 5 gallon, high impact plastic pails with a snap-on lid. 24 pails per pallet.

MATERIAL SAFETY DATA SHEET



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PAGE 1 OF 5

WHMIS HAZARD INDEX:

DEGREE OF HAZARD:

HEALTH 1
FIRE 0
REACTIVITY 0
OTHER: B (GLASSES & GLOVES)

HAZARD RATING:

0 LEAST
1 SLIGHT
2 MODERATE
3 HIGH
4 EXTREME

SECTION 1

PRODUCT IDENTIFICATION

PRODUCT NAME:
CHEMICAL IDENTIFICATION
MATERIAL USE:
WHMIS CLASSIFICATION:
WORK PLACE HAZARD:

EXTREME NUMBER ONE
Acrylamide, Acrylate Copolymer
Drilling Fluid Additive
Not Regulated
Not Applicable

TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION:
PACKAGE GROUP:
CAS NUMBER:
MSDS CODE:

Not Dangerous Goods
Not Applicable
Not Applicable
Not Applicable

SECTION 2

HAZARDOUS INGREDIENTS

INGREDIENT:
PERCENTAGE:
CAS NUMBER:
LD (50):
LC (50):

None Considered Hazardous
Not Available
Not Available
Not Available
Not Available

EXTREME NUMBER ONE

MATERIAL SAFETY DATA SHEET

SECTION 3PHYSICAL DATA

APPEARANCE AND ODOUR	Slight, mild odour, white, granular solid
DENSITY (SPECIFIC GRAVITY):	.80
BOILING POINT:	Not Available
MELTING POINT:	Not Available
SOLUBILITY:	Soluble
EVAPORATION RATE: (EE=1):	Not Available
VAPOUR PRESSURE: (MM HG)	Not Available
VAPOUR DENSITY: (AIR = 1):	Not Available

SECTION 4FIRE AND EXPLOSION

FLASHPOINT:	Not Applicable
FLAMMABLE LIMIT:	Not Available
AUTO IGNITION TEMP:	No Data
EXTINGUISHING MEDIA	Dry Chemical, Carbon Dioxide, Foam
SPECIAL FIRE FIGHTING PROCEDURES:	Self-Contained Respirators For Fire Fighting Personnel.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Products of incomplete combustion and oxides of nitrogen and carbon.

SECTION 5REACTIVITY DATA

STABILITY (THERMAL, LIGHT, ETC.):	Stable
INCOMPATIBILITY (CONDITIONS TO AVOID):	Strong oxidizing agents and highly alkaline solutions
HAZARDOUS POLYMERIZATION:	Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS:	None

EXTREME PRODUCTS & DRILLING SUPPLIES INC.**PAGE 3 OF 5****MATERIAL SAFETY DATA SHEET****EXTREME NUMBER ON****SECTION 6****HEALTH HAZARDS****ROUTE OF ENTRY:****(X) SKIN****(X) EYE CONTACT****(X) INHALATION****(X) INGESTION****SKIN CONTACT:**

May be minimally irritating to sensitive skin upon prolonged direct contact.

EYE CONTACT:

May be minimally irritating to eyes upon direct contact.

INHALATION:

May cause irritation to nose and throat.

SECTION 7**PREVENTATIVE MEASURES****SKIN PROTECTION:**Impervious gloves, protective clothing as required
Goggles.**EYE PROTECTION:**

General mechanical; 10 changes per hour.

VENTILATION:

Approved dust mask; MESA type

RESPIRATORY PROTECTION

Ventilate area, wear rubber boots, gloves and a self-contained respirator if ventilation inadequate.

LEAK & SPILL PROCEDURE.

Collect into waste container. wash site after pick up. Water solutions extremely slippery.

WASTE DISPOSAL

Dispose in compliance with government regulations and local requirements.

STORAGE REQUIREMENTS.

Cool, dry area, away from oxidizing and reducing agents. Keep containers closed when not in use. Avoid prolonged contact when handling. Do not inhale dust.

EXTREME PRODUCTS & DRILLING SUPPLIES INC.

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MATERIAL SAFETY DATA SHEET

EXTREME NUMBER ONE

SECTION 8FIRST AID MEASURES

SKIN:

Wash thoroughly with soap and warm water

EYE:

Flush with water for at least 15 minutes. Seek medical attention.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

INGESTION:

Do not induce vomiting. If conscious, dilute by giving two glasses of water. Seek medical attention.

SECTION 9PREPARATION DATE

DATE ISSUED:

AUGUST 20, 1996

BY:

PRODUCT SAFETY COMMITTEE

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DATE REVISED:

MATERIAL SAFETY DATA SHEET

EXTREME NUMBER ON

ADDENDUM

SECTION 10

ECOLOGICAL INFORMATION

ACUTE TOXICITY:

- Oral:
- Dermal:
- Inhalation:

LD50/oral/rat > 5000 mg/kg

The results of lab testing showed this material to be non-toxic even at high dose levels.

The product is not expected to be toxic by inhalation.

IRRITATION:

- Skin:
- Eyes:

The results of lab testing showed this material to be non-irritating to the skin.

Testing conducted according to the Draize technique showed the material produces no corneal or iridial effects and only slight transitory conjunctival effects similar to those which all granular materials have no conjunctivae.

SENSITIZATION:

The results of lab testing showed this material to be non-sensitizing.

CHRONIC TOXICITY:

The results of extensive lab testing did not reveal adverse health effects.

ECOTOXICITY

- Fish:
- Algae:

LC50 / Fathead minnows / 96 hours > 1000 mg/l

EC50 / Selenastrum capricornutum > 96 hours > 500 mg/l

Bioaccumulation:

The product is not expected to bioaccumulate.

Persistence / degradability:

Not readily biodegradable.

POLY-DRILL DRILLING**EMERGENCY (403) 259-5112**

1824 - 104 AVENUE, S.W.

CALGARY, ALBERTA, CANADA T2W 0A8

TEL: (403) 259-5112 FAX: (403) 255-7185

I. PRODUCT IDENTIFICATION

Trade Name(s): 1330/133X

WHMIS CLASSIFICATION: Non regulated

TDG Classification: Non dangerous goods TDG label N.R.

Manufacturer: Poly-Drill Drilling

II. PHYSICAL DATA

Boiling Point: Not available

Solubility in Water: Solubility limited by solution viscosity

Density (g/ml): 1.08 at 25 C

Appearance and Odor: Blue. Odor slight.

Specific Gravity (@25 Deg. C.): 1.09

pH: 8.1 (1.0% solution)

Physical state: Liquid

III. FIRE AND EXPLOSION DATA

Flash Point (method used): (PMCC) <100 C

Conditions of flammability: Intense heat, open flame

Hazardous combustion products: Products of incomplete hydrocarbon combustion

Upper and Lower flammable limits: Not available

Extinguishing media: Use water spray, foam, dry chemical, or carbon dioxide.

IV. REACTIVITY

Chemical stability: Stable under normal conditions

Hazardous Polymerization: Will not occur

Incompatible substances: Avoid strong oxidizing and reducing agents.

Hazardous decomposition products: Carbon monoxide, carbon dioxide, and products of incomplete hydrocarbon combustion.

V. HEALTH HAZARD DATA

TOXICITY RATING: Practically non-harmful

Routes of Exposure and Effects:

SKIN: Slight irritant. Prolonged contact may cause skin irritation or dermatitis in some individuals.

EYE: No effects of exposure expected with the exception of possible irritation.

INHALATION: If misted, no effects of exposure expected.

Exposure limits: TLV-TWA: Mineral oil, mist 5 mg/m3

Carcinogenicity: None of the components of this product are listed as carcinogens by IARC and ACGIH

Sensitization of product: Not suspected to be a sensitizer.

Teratogenicity: Not available

Mutagenicity: Not available

VI. EMERGENCY AND FIRST AID PROCEDURES

SKIN: Wash exposed area with soap and water. If irritation or abnormalities persist, call a physician.

EYE: Immediately flush eyes with water for 15 minutes. If irritation or abnormalities persist, call a physician.

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen and call a physician.

INGESTION: Do not induce vomiting. Call a physician immediately.

VII. HANDLING AND USE PRECAUTIONS

Storage requirements: Keep container closed when not in use. Store in a cool dry location away from oxidizing and reducing agents.

Waste Disposal: Product should be disposed of in accordance with applicable local, Provincial, and Federal regulations.

Steps must be taken if product is released or spilled. Clean spill areas thoroughly to avoid hazardous slippery conditions.

VIII. INDUSTRIAL HYGIENE CONTROL MEASURES

Respiratory Protection: None normally required.

Ventilation: If mist and/or vapors are present, use air-purifying respirator or self-contained breathing apparatus, but rarely required.

Eye Protection: Safety glasses if personally preferred.

Gloves: Generally not necessary. Personal preference.

DEPARTMENT OF TRANSPORTATION INFORMATION

Shipping Name: Drilling Mud

Hazard Class: Not hazardous

Hazardous Substances: None

Cautionary Labeling: None required

Product Information



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Extreme Kwik-Set

Fast Setting, Oilwell Gyp Cement

Description

Extreme Kwik-Set is a special formula oilwell quality, gyp cement, which sets fast and is environment friendly.

Principle Use

Extreme Kwik-Set imparts tenacious bonding capabilities on loose and fractured formations to stabilize caving zones or lost circulation sections. Easy to use. Hardens quickly but remains easy to drill. Ideally suited for holes which must be redrilled, beyond the cemented section without deflecting off. Ensures re-entering existing borehole. Solidifies formation without becoming "Rock Hard" like portland cement.

Extreme Kwik-Set solidifies in approximately 1½ to 2½ hours depending on hole conditions and temperature.

Mixing

Mix contents of each pail with 2½ gallons of water. Stir only long enough to ensure all the cement product is wet. Then pour down drill rods and pump to bottom. For best results use wiper plugs or a "Burlap Spacer" in front of Extreme Kwik-Set in the drill rods and immediately behind it to eliminate dilution from water in the hole and drill rods.

Packaging

Extreme Kwik-Set comes in 5 gallon, 50 lb., high impact plastic pails with a snap-on lid. 32 pails per pallet.