



1. Identification

Material Name: Poly Plug®
Product ID: CG + Cellulosic Fibers
Product Use: Loss of circulation additive for drilling fluids
Supplier: Prairie Mud Service
738-6th Street, Estevan, SK S4A 1A4 306-634-3411

Emergency: 1-888-CAN-UTEC (226-8832) or (613) 996-6666 or * 66

2. Hazard Identification

NFPA: Health: 1 Flammability: 0 Instability/Reactivity: 0



HMIS Classification:

Health	Environmental	Physical
1	1	None

GHS Label:

Symbols: None	
Hazard Statements: Long-term inhalation of particulates may cause lung damage. Cancer hazard. Contains crystalline silica which may cause lung cancer.	Precautionary Statements. While this material has a low level of toxicity, good industrial hygiene practices are encouraged to minimize exposure.

3. Composition / Information on Ingredients

Substance	CAS #	Wt. %
Proprietary		10-13
Proprietary		2.5-3.5
Proprietary	25085-02-3	6-12
Sodium Chloride	14808-60-7	6-12
Cellulose	9004-34-6	65-75
Crystalline Silica, Quartz	14808-60-7	0.1-1

4. First Aid Measures

Inhalation: IF INHALED: Remove person to fresh air and ensure comfortable breathing. Get medical attention if irritation persists.

Skin Contact: IF ON SKIN: No health effects are expected. Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

Eye Contact: IF IN EYES: Rinse cautiously with water. Remove contact lenses, if present and easy to do so. Continue rinsing. Get medical attention if irritation persists.

Ingestion: IF SWALLOWED: drink plenty of water or milk. Never give anything by mouth to an unconscious or convulsing victim. Get medical attention if you feel unwell.

Note to physician: Treat symptomatically.

5. Fire Fighting Measures

Flash Point Not determined

Suitable Extinguishing media: Use extinguishing agent suitable for surrounding fire. Unsuitable

Extinguishing media: None Known

Special exposure hazards: Particulate may accumulate static electricity. Dusts at sufficient concentrations can form explosive mixtures with air.

Combustion products: None known.

Protection of firefighters: Fire fighters should wear full firefighting turn-out gear (full bunker gear) and respiratory protection (SCBA). Use water spray to cool fire exposed containers and structures until fire is out it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

NFPA Hazard Classification: Health: Flammability: 1 Instability: 0 Special: None known

6. Accidental Release Measures

Determine whether to evacuate or isolate the area according to your local emergency plan.

Personal precautions: Use suitable protective equipment (see section 8) to prevent contamination of skin, eyes and personal clothing. Provide sufficient ventilation. No special technical protective measures are required.

Methods for cleanup: Use appropriate safety equipment and PPE. Evacuate surrounding area, if necessary.

Dispose in accordance with applicable regulations and product characteristics at time of disposal (see also Section 13). Clean area as appropriate since spilled materials, even in small quantities, can present a slip hazard especially when wet.

7. Handling and Storage

Handling: Use proper PPE. Prevent spills and leakage. No special technical protective equipment measures are required. Handle in accordance with good industrial hygiene and safety practices. Use where there is adequate ventilation. Use proper bonding and/or grounding procedures.

Storage: Store in a cool, dry well-ventilated place in the original container. Keep away from incompatible materials. Follow safe warehouses practices regarding palletizing, shrink-wrapping and stacking.

8. Exposure Controls / Personal Protection

Ingredient	CAS No	Wt %	ACGIH	TWA	Other	Notes
Sodium Chloride	7647-14-5	15 – 25				
Cellulose	9004-34-6	65 - 75				

Notes:

Exposure guideline Cellulose

Comments:

ACGIH®=American Conference of Governmental Industrial Hygienists. TLV®=Threshold Limit Value TWA=
Time-weighted Average. 10 mg/m³

OSHA=US Occupational Safety and Health Administration. TWA = Time-Weighted Average. PEL=Permissible
Exposure Limits. 15 mg/m³ (total dust); 5 mg/m³ (respirable) (crystalline silica, quartz) ACGIH®=American
Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-weighted
Average. 0.25 mg/m³ (respirable)

OSHA = US Occupational Safety and Health Administration. TWA Time Weighted Average. The PEL for
Mineral dusts containing crystalline silica are 10 mg/m³ divided by the value of (%SiO₂+2) for quartz; ½ the
calculated quartz value for cristobalite and tridymite.

NIOSH. TWA= Time-Weighted Average. 0.05 mg/m³ (respirable), based on 10-hr day, 40-hr week.

Personal protection: General: General hygiene considerations are appropriate when used as recommended. The
following precautions are recognized as common good industrial hygiene practice. Emergency conditions may
require additional precautions. Follow precautions listed and recommendations for personal protective
equipment.

Respiratory: NIOSH approved respiratory protection should be worn if exposure limits are exceeded. A NIOSH approved respirator is generally acceptable for concentrations up to 10 times the PEL. Use a NIOSH approved air-supplied respirator for higher concentrations, unknown concentrations and for oxygen deficient atmospheres. Use only outdoors or in a well-ventilated area. Engineering controls are the preferred means for controlling chemical exposures. In case of inadequate ventilation wear respiratory protection. Respiratory protection may be needed for non-routine or emergency situations.

Engineering Controls: Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to ensure air contamination and keep workers exposure below the applicable limits.

Personal Protective Equipment

Eye/Face Protection: Dust resistant safety goggles

Skin Protection: Wear appropriate clothing to prevent repeated or prolonged skin contact. Chemical resistant gloves recommended for prolonged or repeated contact. Use protective gloves made/have: Neoprene, Nitrile

Respiratory Protection: Use at least a NIOSH-approved N95 half-mask disposable or reusable particulate respirator (dust mask). In work environments containing oil mist/aerosol, use at least NIOSH-approved P95 mask disposable or reusable particulate respirator. For exposure exceeding 10 x PEL use NIOSH-approved N100 Particulate Respirator.

General hygiene: Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded, if contaminated with product.

9. Physical and Chemical Properties

Appearance:	Tan Powder
Odor:	Slight, Mild
Odor threshold:	Not available
pH:	
Melting/ Freezing point/ range:	Not available
Boiling point	Not available
Flash Point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Upper/ lower flammability or explosive limits:	Not available
Vapor pressure: @25°C	Not available
Vapor density:	Not available
Specific Gravity:	1.2 @ 68°F(20°C)
Solubility in water:	Soluble
Solubility in fats/ oils:	Not available
Partition Coefficient (n-octanol-water):	Not available
Autoignition temperature:	Not available
Decomposition temperature:	Not available

10. Stability and Reactivity

Chemical Stability:	Product is stable at ambient temperature and pressure.
Hazardous Reactions:	Hazardous polymerization will not occur.
Conditions to Avoid:	Keep away from heat. Sparks and flame
Incompatible Materials:	Oxidizing material can cause a reaction.
Hazardous Decomposition	None determined ill not readily decompose

11. Toxicological Information

Component Toxicological Data

Ingredient	CAS No	Acute Data
Sodium Chloride	7647-14-5	Oral LD50: 3000mg/kg [rat] LC50: >42000 mg/m3 1hr [rat]
Cellulose	9004-34-6	LD50 Oral Rat: >5,000 mg/kg

Ingredient	Component Toxicological Summary

Product Toxicological information:

Long term inhalation of product can cause irritation, inflammation, and/or permanent injury to the lungs. Product contains small trace amounts of crystalline silica. Long term Inhalation of the particles can cause irritation, inflammation and/or Permanent injury to the lungs. Illnesses such as pneumoconiosis ("dusty lung"), pulmonary fibrosis, chronic bronchitis, emphysema and bronchial asthma may develop. Long term contact can cause Skin dryness.

Carcinogenicity

IARC: Group 1

NTP: Reasonably anticipated human carcinogen..

ACGIH®: A2 Suspected human carcinogen.

No information located: Respiratory and/or Skin Sensitization, Teratogenicity/ Embryotoxicity, Reproductive Toxicity, Toxicologically Synergistic Materials.

12. Ecological

Component Eco toxicity Data: No data available

Product Eco toxicity Data: Contact M&D Industries of Louisiana, Inc

Biodegradation: Not determined

Bioaccumulation: Not determined

Octanol/water Partition: Not determined

13. Disposal Considerations

Recover and reclaim or recycle, if practical. Should this product become a waste, dispose of in a permitted industrial landfill. Ensure that the containers are empty by the RCRA criteria prior to disposal in a permitted industrial landfill. This is because the product uses, transformations, mixes, processes, etc, may render the resulting materials hazardous. Empty containers may contain residues. All labeled precautions must be observed.

Disposal Methods: Not hazardous according to the RCRA criteria or listings

14. Transport Information

Shipping Descriptions: Not Regulated

DOT Road Shipment Information (49 CFR 172.101)

Not subject to DOT.

Ocean Shipment (IMDG)

Not subject to IMDG code.

Air Shipment (IATA)

Not subject to IATA regulations.

15. Regulatory Information

U.S. Federal and State Regulations

SARA 311/312

SARA 311/312 Hazard Categories: Delayed (chronic) health hazard.

Ingredient	SARA313	CERCLA RQ	SARA 302/TPQs	CA 65 Cancer	CA 65 Dev. Tox.	CA 65 Repro F	CA 65 Repro M
Sodium Chloride	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

State Comments: Proposition 65: This product contains chemical(s) considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 to cause cancer and/or reproductive toxicity. See table under US Federal and State Regulations for the specific chemicals.

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200
USA

TSCA Status: All chemical substances in this material are included on or exempted from listing on the
TSCA inventory of Chemical Substances

Section 311/312 Hazard Class (40CFR 370) - Delayed (chronic) health hazard

Supplemental State Compliance Information

“California”

Warning: This product contains the following known substances known to the State of California to cause
cancer and/or reproductive harm: crystalline silica.

CAS Number	Wt%	Component Name	
14808-60-7	0.1-1	Crystalline silica (quartz)	Carcinogen

International inventories

Ingredient	CAS No	TSCA	DSL	NDSL	EINECS	AICS
Sodium Chloride	7647-14-5	Listed	Listed		Listed	

Inventory Comment: “Listed” indicates the component is listed or exempt from listing on the chemical inventory

Canadian Regulations:

Controlled Products Regulations Statement: This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the
information required by the CPR

WHMIS Class: D2A

16. Other Information

Disclaimer:

ALL THE RECOMMENDATIONS AND SUGGESTIONS HEREIN CONCERNING OUR PRODUCT ARE
BASED UPON TESTS AND DATA BELIEVED TO BE RELIABLE, HOWEVER, IT IS THE USER'S
RESPONSIBILITY TO DETERMINE THE SAFETY, TOXICITY, AND SUITABILITY FOR HIS OWN USE OF
THE PRODUCT DESCRIBED HEREIN. SINCE THE ACTUAL USE BY OTHERS IS BEYOND OUR
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