Prairie Mud Service
"Serving Western Canada with 24 Hour Drilling Mud Service"

SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: BLEACH 12%

Product Use: *Bleaching And Disinfectant*

WHMIS CODE: D2B, E
Proper Shipping Name: Hypochlorite Solution
Hazard Class: Class 8 P.G. III
UN Number: UN 1791

Maxim Chemical International Ltd.
1305 Halifax Street, Regina, SK S4R 1T9
Phone: (306) 347-0444

EMERGENCY PHONE
Canada: Canutec 613-996-6666

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	TLV
SODIUM HYPOCHLORITE	7681-52-9	5.0-15.0	

LD50 (oral, rat): Not available
LD50 (dermal): Not available
LC50: Not available

SECTION 3 – PHYSICAL DATA

Color and Odor: Greenish-yellow, chlorine odor **Boiling Point:** 104^{0}C decomposes **Vapor Pressure:** 17.5 mm Hg (20^{0}C) **pH:** >12.0
Physical State: Liquid **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** 1.17
Coeff. Water/Oil Dist: N/A **Evaporation Rate:** N/D **Solubility in Water:** Soluble **Odor Threshold:** N/D

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: Not available **Sensitivity to Mechanical Impact:** None. **Conditions of Flammability:** Non-flammable
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Extinguishing Media: Product not flamable. Use extinguishing media suitable for surrounding fires
Unusual Fire and Explosion Hazards: Pressure build-up in containers could result in an explosion when heating or in contact with acid fumes. Vigorous reaction with oxidizable organic materials may result in fire.
Hazardous Combustion Products: None
Special Fire Fighting: Use self-contained breathing apparatus and protective clothing. use water spray to cool containers and knock down fumes..

SECTION 5 – REACTIVITY DATA

Chemical Stability: Under normal conditions decomposes slowly. Unstable at temperatures >40^{0}C, in sunlight, and in contact with acid
Hazardous Polymerization: Will not occur.
Incompatibility (material to avoid): Strong acids, ammonia, oxidizable materials, finely divided metals (nickel, copper, tin, manganese, iron)
Hazardous Decomposition Products: Chlorine (by reaction with acids), oxygen (by reaction with metals)

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient.
Irritancy of Product: Strong irritant
Sensitization: None.
Name of Toxicological Synergistic Product: None known.
Routes of Entry: Skin and eye contact, inhalation
Carcinogenicity: None known.
Mutagencity: None known.
Reproductive Toxicity: None known.
Teratogenicity: None known.
Effects of Chronic Exposure: If over exposed to the solution, there will be constant irritation of the eyes, nose and throat.
Effects of Acute Exposure to Product: Corrosive: Causes damage or burns to eyes, skin and respiratory tract

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: An approved respirator for chlorine is recommended. Where a higher level of protection is required, use a self-contained breathing apparatus
Ventilation: Use with adequate ventilation. Local exhaust ventilation is normally required.
Protective Gloves: Impervious rubber or plastic gloves and protective clothing
Eye Protection: Use chemical goggles, safety goggles or face shield.
Protective Cloting and Equipment: Long sleeves coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Store in a cool, dry place away from incompatible materials. Keep container closed when not in use. Do not mix with any other chemicals. Avoid contact with skin, eyes and clothing. Use good industrial hygiene. Store at temperatures below 30°C (86°F).
Disposal Procedures for Spills or Leaks: Wear protective equipment. Dike and contain large spills. Pump spill into an approved waste container. For small spills soak up with a suitable absorbent and dispose into an approved waste container. Keep material away from sewers and natural waters.
Waste Disposal Method: Reuse if possible, or otherwise dispose recovered material in accordance with all local, Provincial or Federal Regulations.
Special Shipping Information: Store at temperatures below 30ºC (86ºF).

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division PHONE: (306) 347-0444 LAST UPDATE: 06/03/14

THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE