



Max 8

Sanitizing Powder

DESCRIPTION

Max 8 is a chlorinated powder containing 8% available chlorine by weight. **Max 8** is used for a variety of applications such as the sanitizing of processing equipment, general disinfecting, disinfecting drinking water, treating newly drilled wells, mold removal and swimming pool chlorination. It can be safely added to alkaline cleaning solutions to help remove soils in processing equipment.

SPECIAL INFORMATION

It is very important not to contaminate **Max 8** with iron. A very small amount of iron will turn the bleach to a dirty looking brown color. Do not use metal pumps with bleach.

Never add **Max 8** directly to cleaning compounds. Always put the alkaline compounds into solution first, then add the required bleach. Never add bleach to acids of any kind or to ammonia (a toxic chlorine gas will result).

Max 8 is a Canadian Food Inspection Agency (CFIA) approved product for use in registered food processing plants.

DIRECTIONS

For General Disinfection of Hard Surfaces:

Dilute 10 grams (2 "heaping" teaspoons) of **Max 8** in 4 L of cold water with stirring. This dilution produces a 200 ppm active chlorine solution.

Please consult your M-chem representative for specific recommendations to meet your particular needs.

PHYSICAL DATA

Appearance	Powder
Color	Yellow
Foam	None
Odor	Mild, chlorine
pH	6.0 – 7.0
Chlorine w/w%	8.0 minimum

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **MAX 8**

Product Use: *Powder laundry bleach.*

WHMIS CODE: C, E
 Proper Shipping Name: DICHLOROISOCYANURIC ACID, SALT
 Hazard Class: Class 5.1, PG II
 UN Number: UN 2465

HMIS	
3	Health
0	Flammability
0	Reactivity
B	Personal

A=Goggles, B=Goggles & Gloves
 C=Goggles, Gloves and Apron

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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 %	PEL	TLV
SODIUM DICHLOROISOCYANURATE	51580-86-0	10.0-30.0	No Data	No Data
LD50 (oral rat) 735 mg/kg				
LD50 (dermal) 11,000 mg/kg				
LC50 Not Available				

SECTION 3 – PHYSICAL DATA

Color and Odor: White, faint chlorine odor. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 6.0-7.0 @ 3.1% solution.
Physical State: Powder. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** Powder.
Coef. Water/Oil Dist: Greater than 1.0 **Evaporation Rate:** N/D **Solubility in Water:** Soluble **Odor Threshold:** No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: Non-flammable. **Sensitivity to Mechanical Impact:** None. **Conditions of Flammability:** None.
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Extinguishing Media: Water, dry chemical, foam or carbon dioxide.
Unusual Fire and Explosion Hazards: None known.
Hazardous Combustion Products: Oxides of carbon, sodium, phosphorus, and other unidentifiable organic compounds upon thermal decomposition.
Special Fire Fighting: Wear full protective equipment, including a NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions.
Hazardous Polymerization: Will not Occur.
Incompatibility (material to avoid): Strong acids.
Hazardous Decomposition Products: Oxides of carbon, sodium, phosphorus, and other unidentifiable organic compounds.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin, eyes, inhalation.
Irritancy of Product: Corrosive to skin, eyes and respiratory system. **Carcinogenicity:** None known.
Sensitization: None known. **Mutagenicity:** None known.
Name of Toxicological Synergistic Product: None known. **Reproductive Toxicity:** None known.
Teratogenicity: None known.
Effects of Chronic Exposure: Prolonged or repeated exposure may cause skin irritation or dermatitis, respiratory disorder.
Effects of Acute Exposure to Product: Product exposure may burn eyes and irritate or burn skin. Inhaling vapors or mists may cause respiratory discomfort such as breathing problems, burning, coughing, etc. Ingestion may cause gastrointestinal and abdominal discomfort.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Normally not required. However, use a NIOSH/MSHA approved dust respirator if product dust is generated.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Natural or butyl rubber, nitrile or neoprene gloves.
Eye Protection: Chemical goggles, safety goggles or glasses.
Protective Clothing and Equipment: Long sleeve 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. Sweep up material and dispose of into a sealed, clean dry waste container. Keep material away from sewers.
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 30°C (86°F). Dichloroisocyanuric Acid, salt, Class 5.1, P.G. II, UN 2465.

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: 604-526-5655 LAST UPDATE: 07/04/11
 THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE