



Laundry Detergent

## DESCRIPTION

**Maxzyme** is a highly concentrated enzyme detergent that excels in specialized situations where food soil, protein and organic oils are present.

### Features:

- Powder form
- Contains Protease, Amylase and Lipase enzymes
- Low sudsing

### Benefits:

- Concentrated
- Digests protein and oil-based stains effectively
- Rinses freely from garments

## DIRECTIONS

Use 6 to 10 oz (165 g – 280 g) in a 50 lb (23 kg) commercial washer. Water temperature for whites should be around 140°F (60°C). A temperature of 150°F (65°C) or higher is not recommended.

Rinse 3 times for 2 minutes, gradually reducing the temperature to 80°F (27°C). Dark colored garments should be washed at 80°F (27°C) during the entire process.

## PRESOAKING

Use 6 – 10 oz (165 g - 280 g) per load, depending on level of soiling. Dissolve in slightly warm water (80°F / 27°C) and let soak overnight before adding to regular washing cycle.

For further information, please contact your M-chem Representative.

## PHYSICAL DATA

Appearance	Powder
Color	Pale blue
Foam	Low
Odor	Pleasant
pH (3.1%)	Slightly alkaline

New tech products engineered to work harder...so you don't have to!

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **MAXZYME**

WHMIS CODE: E  
 Proper Shipping Name: N/A  
 Hazard Class: N/A  
 UN Number: N/A

Product Use: *Enzyme laundry detergent*

HMIS	
3	Health
0	Flammability
0	Reactivity
B	Personal

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**EMERGENCY PHONE**  
 Canada: Canutec 613-996-6666  
 U.S.A.: Chemtrec 800-424-9300

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

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
<b>SODIUM METASILICATE</b>	6834-92-0	1.0 – 5.0	N/D	N/D
LD50 (oral rat) 1153 mg/kg				
LD50 (dermal) N/A				
LC50 N/A				
<b>ALCOHOL ETHOXYLATE</b>	68439-46-3	1.0 – 5.0	N/A	N/A
LD50 (oral rat) 1376 mg/kg				
LD50 (dermal rabbit) >2 g/kg				
<b>SODIUM CARBONATE</b>	497-19-8	30.0 – 60.0	15 mg/m3	10 mg/m3
LD50 (oral rat) 2800 mg/kg				
LD50 (dermal) N/D				
LC50 N/D				

## SECTION 3 – PHYSICAL DATA

**Color and Odor:** Light blue, fresh scent.      **Boiling Point:** N/D      **Vapor Pressure (mm HG):** N/D      **pH:** 11.0-11.5 @ 3.1% solution.  
**Physical State:** Powder.      **Melting Point:** N/A      **Vapor Density:** N/D      **Specific Gravity:** N/A  
**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 and sulfur, 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 oxidizing and acids.  
**Hazardous Decomposition Products:** Oxides of carbon, sodium and sulfur, 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 damage or dermatitis, respiratory disorder or lung damage.  
**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:** Normally not required. Use natural or synthetic rubber gloves for handling.  
**Eye Protection:** 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).

## 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