

**SECTION 1 IDENTIFICATION**

**Product Trade Name:** Maxzyme  
**Recommended Use:** Enzyme laundry detergent  
**Restrictions on Use:** For Industrial and Institutional use only  
**Manufacturer:** Maxim Chemical International Inc.  
 1607 Derwent Way, Delta, B.C. Canada V3M 6K8  
 (800) 663-9925  
**Emergency Phone Number/ 24-Hour Number:** Canada: Canutec 613-996-6666  
 U.S.A.: Chemtrec 800-424-9300

**SECTION 2 HAZARD IDENTIFICATION**

**Physical Hazards:** OXIDIZING SOLIDS - Category 3  
**Health Hazards:** SKIN CORROSION/IRRITATION - Category 2  
 EYE DAMAGE/IRRITATION - Category 1

**Label Elements:**

**Signal Word:** DANGER  
**Hazard Statement:** H272 May intensify fire; oxidizer  
 H315 Causes skin irritation  
 H318 Causes serious eye damage

**Precautionary Statements:**

**Prevention:** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P220 Keep away from clothing and other combustible materials.  
 P264 Wash hands or affected area thoroughly after handling.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Responses:** P302 + P352 IF ON SKIN: Wash with plenty of water.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P332 + P313 If skin irritation occurs: Get medical advice/attention  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER/doctor  
 P321 Specific treatment (see supplemental first aid information on this label).  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol resistant foam to extinguish.

**Storage:** Not regulated. Store in a cool, dry place. Keep container tightly closed. Keep out of reach of children.

**Disposal:** P501 Dispose of contents/container to an approved waste disposal plant.

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient	Approx. Wt.%	CAS Number
Sodium Percarbonate	10-30	15630-89-4
Alcohols, C9-11, Ethoxylated	5-10	68439-46-3
Alcohols, C12-13, Ethoxylated	1-5	66455-14-9
Sodium Tripolyphosphate	1-5	7758-29-4

**SECTION 4 FIRST AID MEASURES**

**Inhalation:** Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention.

**Skin Contact:** Immediately flush exposed area with plenty of water for at least 10 minutes. If irritation persists, or if contact has been prolonged, obtain medical attention. Remove contaminated clothing and launder before reuse.

**Eye Contact:** Immediately flush with running water for at least 15 minutes, holding eyelids open during flushing. Remove contact lenses, if present and easy to do. If irritation persists, repeat flushing and obtain medical attention immediately.

**Ingestion:** Do not induce vomiting. If the victim is fully conscious, give plenty of clean water to drink to dilute product. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing. Call a Physician.

If irritation occurs or persists, get medical attention.

### SECTION 5 FIRE-FIGHTING MEASURES

**Extinguishing Media:** Use dry sand, dry chemical, alcohol resistant foam or extinguishing media appropriate for surrounding fire.

**Flammability:** Not flammable. May intensify fire.

**Flash Point:** Not flammable.

**Special Firefighting Procedures:** Wear full protective equipment including a NIOSH/MSHA approved, self-contained breathing apparatus for firefighting situation. Use water spray to cool all nearby fire exposed surfaces.

**Unusual Fire / Explosion Hazards:** Oxygen released in thermal decomposition may support combustion. Contact with combustible or flammable materials may cause fire.

**Hazardous Decomposition Products:** Oxygen, carbon oxides, phosphorous oxides.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

**Environmental Protection Precautions:** Do not release to the environment or water source.

**Steps to Be Taken In Case Material Is Released or Spilled:** Wear protective equipment including respiratory protection. Avoid dust formation. Sweep up and shovel material into an appropriate dry waste closed container. Keep material away from sewers. Reuse if possible, otherwise dispose recovered material in accordance with all local, provincial or federal regulations.

### SECTION 7 HANDLING AND STORAGE

**Precautions to Be Taken in Handling and Storage:** Use good industrial hygiene. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Store in a cool, dry place away from incompatibles and away from heat and sources of ignition. Keep container closed when not in use. Do not mix with any other chemicals. Keep out of reach of children Store at temperatures below 30°C (86°F).

### SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:**  
 OSHA (PEL): N/A  
 ACGIH TLV: N/A  
 Other exposure limit: N/A

**Appropriate Engineering Controls:** Good general ventilation or local exhaust ventilation for dust generated in confined areas.

**Individual Protection Measures / Personal Protective Equipment:**

**Gloves:** Non-permeable chemically resistant gloves (rubber, nitrile).

**Masks/Goggles:** Use chemical goggles, safety glasses or face shield.

**Respirator:** Use NIOSH/MSHA approved dust respirator if product dust is generated.

**Protective Clothing:** Wear protective clothing to minimize skin contact

**Other Protective Equipment:** Eye wash, safety shower and full protective clothing recommended in the immediate work area.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White powder

**Odor:** Odorless.

**Odor threshold:** N/A

**pH:** 10.0–11.0 (3.1% solution)

**Melting point/Freezing point:** N/A

**Initial boiling point and boiling range:** N/A

**Flash Point:** Not flammable

**Evaporation Rate (Water=1):** N/A

**Flammability:** Not flammable

**Upper/Lower flammability or explosive limits:** None.

**Vapor pressure:** N/A

**Vapor density:** N/A

Relative density/Specific gravity (Water = 1):	N/A
Solubility(ies):	Soluble in water
Partition coefficient: n-octanol/water:	N/A
Auto-ignition temperature:	Not flammable
Decomposition temperature:	N/A

### SECTION 10 STABILITY AND REACTIVITY

Reactivity:	N/A
Chemical stability:	Stable under normal storage conditions.
Possibility of hazardous reactions:	Decomposes when moist, decomposes on heating releasing heat and oxygen. Contact with flammable and/or combustible materials may cause fire.
Materials to avoid:	Water, acids, strong bases, reducing agents, flammable and combustible materials.
Conditions to avoid:	Exposure to moisture, overheating.
Incompatibility:	Water, acids, strong bases, reducing agents, flammable and combustible materials.
Hazardous Decomposition Products:	Oxygen, carbon oxides, phosphorous oxides.

### SECTION 11 TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Skin and eye contact, inhalation.
Symptoms:	Corrosive to eyes, irritating to skin. May cause irritation of the respiratory tract.
Acute Toxicity Estimates:	LD <sub>50</sub> (oral) > 2000 mg/kg; LD <sub>50</sub> (dermal) > 2000 mg/kg
Carcinogenicity:	Not listed by NTP, IARC, OSHA, ACGIH.

### SECTION 12 ECOLOGICAL INFORMATION

Not required.

### SECTION 13 DISPOSAL CONSIDERATIONS

**Recommended Waste Disposal Methods:** Reuse if possible. Otherwise dispose recovered material in accordance with all local, provincial or federal regulations.

### SECTION 14 TRANSPORT INFORMATION

Canadian TDG	
UN Number:	Not regulated.
UN Proper Shipping Name:	Not regulated.
Transport Hazard Class(es):	Not regulated.
Packing Group:	Not regulated.

### SECTION 15 REGULATORY INFORMATION

All components of this product are listed on DSL/NDSL.  
All pertinent hazard information has been provided in this SDS, as per the requirements of the Canadian Workplace Hazardous Materials Identification System Standards (CPR 4).

### SECTION 16 OTHER INFORMATION

#### Acronym List:

ACGIH	American Conference of Governmental Industrial Hygienists
CFR	Code of Federal Regulations
DSL/NDSL	Domestic Substances List/Non-Domestic Substances List
IARC	International Agency for Research on Cancer
MSHA	Mine Safety and Health Administration
N/A	Not Available
NIOSH	The National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit

TDG	Transportation of Dangerous Goods
TLV	Threshold Limit Value
UN	United Nations
WHMIS	Workplace Hazardous Materials Information System

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. **Maxim Chemical International Inc.** will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.

PREPARED BY: Technical Service/Regulatory Division

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