

SECTION 1 IDENTIFICATION

Product Trade Name: Max Oxy
Recommended Use: Oxygen Bleach
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 2
Health Hazards: EYE DAMAGE/IRRITATION - Category 1
 SPECIFIC TARGET ORGAN TOXICITY -SINGLE EXPOSURE - Category 3
 REPRODUCTIVE TOXICITY - Category 1

Label Elements:



Signal Word: Danger
Hazard Statement: H272 May intensify fire; oxidizer
 H318 Causes serious eye damage
 H335 May cause respiratory irritation
 H360 May damage fertility or the unborn child

Precautionary Statements:

Prevention: P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 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.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P271 Use only outdoors or in a well ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
Responses: P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312 Call a POISON CENTER/doctor/physician if you feel unwell.
 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/physician.
 P308 + P313 IF exposed or concerned: Get medical advice/attention.
 P370 + P378 In case of fire: Use water spray or appropriate foam to extinguish.
Storage: P403 + P233 Store in a well-ventilated space. Keep container tightly closed.
 P405 Store locked up.
Disposal: P501 Dispose of contents/container to an approved waste disposal plant in accordance with all local, provincial or federal regulations

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Approx. Wt.%	CAS Number
Sodium Perborate Tetrahydrate	10-30	10486-00-7

SECTION 4 FIRST-AID MEASURES

Inhalation: Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician if feeling unwell.

Skin Contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

- Eye Contact:** Immediately flush with warm 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:** Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

If irritation occurs or persists, get medical attention.

SECTION 5 FIRE-FIGHTING MEASURES

- Extinguishing Media:** Use water spray, dry chemical powder, appropriate foam.
- Flammability:** Not flammable.
- 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:** Releases oxygen at high temperatures. Will release oxygen when heated, intensifying a fire. Fight fire from a safe distance and from protected location.
- Hazardous Decomposition Products:** Sodium oxides, boron oxides, oxygen.

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. 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:** 10.2 (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):	100 g/l
Partition coefficient: n-octanol/water :	N/A
Auto-ignition temperature :	Not flammable
Decomposition temperature:	N/A

SECTION 10 STABILITY AND REACTIVITY

Reactivity:	May intensify fire, oxidizer
Chemical stability:	Stable under normal storage conditions.
Possibility of hazardous reactions:	Reacts with reducing agents, reacts with flammable substances.
Materials to avoid:	Reducing agents, strong acids and bases, metals, combustible and flammable materials.
Conditions to avoid:	Excessive heat, moisture
Incompatibility:	Strong acids, reducing agents.
Hazardous Decomposition Products:	Sodium oxides, boron oxides, oxygen

SECTION 11 TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Skin and eye contact, inhalation.
Symptoms:	Causes serious eye damage. May cause skin and respiratory track irritation. May damage fertility or the unborn child.
Acute Toxicity Estimates:	LD ₅₀ (oral) > 2000 mg/kg; LD ₅₀ (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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