



ZEP Inc.
 11627 178th Street
 Edmonton, Alberta T5S 1N6
 1-877-1-BUY-ZEP (428-9937)
 www.zep.com

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name MIGHTY MAID OXYGEN BLEACH
Product use Bleaching agents
Product code N/A
Date of issue 02/13/15 **Supersedes** Not available.

Emergency Telephone Numbers

For MSDS Information:
 Technical Services Group
 Telephone (780) 453-8100
 (Business Hours 8:00am - 5:00pm)

For Medical or Transportation Emergency
 CANUTEC (24 Hours)
 (613) 996-6666 - Call Collect

Prepared By
 Technical Services Group
 11627 178th Street
 Edmonton, Alberta T5S 1N6

Section 2. Hazards Identification

Emergency overview

CAUTION

OXIDIZING MATERIAL.

Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat. Avoid prolonged contact with eyes, skin and clothing. Avoid contact with combustible materials.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects **Routes of Entry** Dermal contact. Eye contact. Inhalation.

Eyes Irritating to eyes. May cause Causes eye burns. Inflammation of the eye is characterized by redness, watering and itching.

Skin May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.

Inhalation Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.

Ingestion Ingestion may cause gastrointestinal irritation and diarrhea.

Chronic effects Repeated inhalation of dust can produce varying degrees of respiratory irritation or lung damage.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS number</u>	<u>% by Weight</u>
SODIUM PERBORATE; perboric acid, sodium salt	10486-00-7	60 - 100

Section 4. First Aid Measures

Eye Contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Skin Contact Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.

Ingestion If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention.

Section 5. Fire Fighting Measures

Flash Point	Not available.
Flammable Limits	Not available.
Flammability	Non-combustible.
Auto-ignition Temperature	
Fire-Fighting Procedures	Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Fire hazard	Substance releases oxygen when heated, which may increase the severity of an existing fire.
Products of Combustion	carbon oxides (CO, CO ₂) and other unidentified organic compounds
Explosion hazard	Not available.

Section 6. Accidental Release Measures

Spill Clean up	Put on appropriate personal protective equipment (see Section 8). Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
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Section 7. Handling and Storage

Handling	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Wash thoroughly after handling.
Storage	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name** **Exposure limits**

No exposure limit value known.

Personal Protective Equipment (PPE)

Eyes	Recommended: Splash goggles.
Hands and Body	Recommended: For prolonged or repeated handling, use the following type of gloves: Neoprene Nitrile Rubber
Respiratory	Recommended: Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. If ventilation is inadequate, use a NIOSH-certified N95 or P95 particulate respirator (42 CFR 84).

**Section 9. Physical and Chemical Properties**

Physical State	Solid. [Powder.]	Color	White.
pH	10.4 - 10.6 [Conc. (% w/w): 1%]	Odor	Odorless.
Boiling Point	Not available.	Vapor Pressure	Not available.
Specific Gravity	1.1	Vapor Density	Not available.
Solubility	Partially soluble in the following materials: cold water and hot water.	Evaporation Rate	Not available.
Freezing Point		VOC (Consumer)	Not available.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Reactive or incompatible with the following materials: reducing materials, combustible materials, organic materials, acids and alkalis.
Hazardous Polymerization	Not available.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information**Carcinogenicity** Not available.**Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
perboric acid, sodium salt, tetrahydrate [containing $\geq 0,1$ % (w/w) of particles with an aerodynamic diameter of below 50 μm]	LD50 Oral	Rat	1200 mg/kg	-
	LD50 Oral	Rat	2567 mg/kg	-

Mutagenicity**Conclusion/Summary** : Not available.**Teratogenicity****Conclusion/Summary** : Not available.**Reproductive toxicity****Conclusion/Summary** : Not available.**Section 12. Ecological Information****Environmental Effects** No known significant effects or critical hazards.**Aquatic Ecotoxicity**

perboric acid, sodium salt, tetrahydrate [containing $\geq 0,1$ % (w/w) of particles with an aerodynamic diameter of below 50 μm]	Acute EC50 6.98 mg/l Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - Neonate	48 hours
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Section 13. Disposal Considerations**Waste Information**

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

Waste Stream Not available.**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
TDG Classification	Not regulated.	-	-	-		-
IMDG Class						

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG* : Packing group

Section 15. Regulatory Information**Canada****WHMIS (Canada)**

Class C: Oxidizing material.

Class D-2B: Material causing other toxic effects (Toxic).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.