



# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **MAX LIFT**

WHMIS CODE: C, E, F  
Proper Shipping Name: HYDROGEN PEROXIDE, AQUEOUS SOLUTION w/ 20-60% Hydrogen Peroxide (stabilized as necessary)  
Hazard Class: 5.1 (8)  
UN Number: UN2014  
PACKING GROUP: II

| HMIS |              |
|------|--------------|
| 3    | Health       |
| 0    | Flammability |
| 1    | Reactivity   |
| B    | Personal     |

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

Product Use: *Hydrogen peroxide based bleach and sanitizer.*

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

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>HYDROGEN PEROXIDE</b><br>LD50 (Oral, Rat) >1193 mg/kg<br>LC50 (Dermal, Rabbit) >2000 mg/kg | 7722-84-1 | 25.0 – 30.0 | N/A | ACGIH TLV TWA: 1 ppm |

## SECTION 3 – PHYSICAL DATA

**Color and Odor:** Colorless, pungent odor. **Boiling Point:** 107°C **Vapor Pressure (mm HG):** 24 mmHg (at 30°C)  
**pH:** < 2.0 **Melting Point:** N/A **Vapor Density:** N/A **Specific Gravity:** 1.11 @ 20°C  
**Physical State:** Liquid. **Evaporation Rate:** >1 **Odor Threshold:** No Data **Solubility in Water:** Soluble  
**Coeff. Water/Oil Dist:** Greater than 1.0 **Volatility:** Approx. 100%

## SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

**Flash Point and Method:** None to 100°C (TCC) **Sensitivity to Mechanical Impact:** None. **Conditions of Flammability:** None.  
**Flammable Limits:** Not applicable. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** Not applicable.  
**Unusual Fire and Explosion Hazards:** None known. **Extinguishing Media:** Water **Combustion Products:** Oxygen.  
**Special Fire Fighting:** Use flooding quantities of water. Use water spray. Use water spray to cool fire exposed containers. Wear NIOSH approved, self-contained breathing apparatus when either in confined areas or exposed to combustion products.  
**Emergency Overview:** STRONG OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. MAY CAUSE VIOLENT AND EXPLOSIVE REACTIONS. CORROSIVE TO THE SKIN, EYE AND MUCOUS MEMBRANES. MAY BE FATAL IF SWALLOWED.

## SECTION 5 – REACTIVITY DATA

**Chemical Stability:** The product is stable with slow gas release. **Hazardous Polymerization:** Will not occur.  
**Incompatibility (material to avoid):** Highly reactive with reducing agents, combustible materials, organic materials, metals, acids, bases.  
**Hazardous Decomposition Products:** Decomposition (>60°C) may release hazardous products.

## SECTION 6 – TOXICOLOGICAL DATA

**Exposure Limits:** See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin, eyes, inhalation, ingestion.  
**Irritancy of Product:** Extremely irritating to eyes or skin. **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:** Repeated or prolonged inhalation may lead to sore throat, nose bleeding, chronic bronchitis. Risk of chemical pneumonitis and pulmonary edema.  
**Effects of Acute Exposure to Product:** Causes severe eye irritation and burns. Symptoms of exposure may include tearing, redness, swelling. May cause severe and permanent eye damage, blindness. Causes skin burns and severe irritation, redness, swelling. Inhalation of vapours may cause irritation to the respiratory system, throat pain, cough, breathing difficulties, nausea, vomiting. Causes severe burns and irritations, perforation of the gastrointestinal tract, accompanied by shock. Symptoms of exposure may include cyanosis, nausea and vomiting, excessive fluid in the mouth and nose, with risk of suffocation.

## SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

**Respiratory Protection:** If user operations generate dust, fume, mist or if workplace contaminant level is above threshold limit, ensure to use a MSHA/NIOSH approved respirator or equivalent.  
**Ventilation:** Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.  
**Protective Gloves:** Chemical resistant gloves, PVC or rubber.  
**Eye Protection:** Splash goggles or face shield required.  
**Protective Clothing and Equipment:** Long sleeve clothing. Eyes wash recommended in the immediate work area.  
**Storage and Handling Procedures:** Follow routine safe handling procedures. Keep container tightly closed. Keep in a cool, well-ventilated place. Store away from incompatible materials. Keep away from heat, sparks and open flame. Do not reuse empty container. Keep only in the original container.  
**Disposal Procedures for Spills or Leaks:** Use appropriate tools to put the spilled material in a convenient waste disposal container. Dilute with large quantities of water. Finish cleaning by spreading water on the contaminated surface and dispose of according to federal, provincial and municipal environmental control regulations.  
**Waste Disposal Method:** Waste and empty packaging must be disposed of in accordance with federal, provincial, and municipal environmental control regulations. Avoid entry of product into the sewage system or water streams.  
**Special Shipping Information:** Store at temperature below 30°C. Keep from freezing.

## 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

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LAST UPDATE: Oct. 3, 2012

THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE