



Liquid Oxygen Bleach

## DESCRIPTION

**Max Lift** is a liquid oxygen bleach, effective in removing stains from colored fabrics that chlorine bleach cannot be used on. **Max Lift** contains Hydrogen Peroxide and quickly disperses throughout entire wash compartment using an Oxidation process to remove organic stains. There are no harmful waste products from using **Max Lift**, just oxygen and water! As well as preventing fabric discoloration from iron deposits, **Max Lift** can be used on polyester fabrics or any other materials adversely affected by chlorine bleach.

## SPECIAL INFORMATION

It is very important not to contaminate **Max Lift** with organics or iron. A very small amount of iron will inactivate the bleach. Protect skin from liquid. Do not store **Max Lift** for long periods of time at temperatures above 30°C (86°F).

**Max Lift** is a Canadian Food Inspection Agency (CFIA) approved product for use in registered food processing plants.

## DIRECTIONS

### ***For the General Sanitizing of pre-cleaned hard surfaces:***

Dilute 15 mL of **Max Lift** in 3.78 L (0.5 oz per 1 US gal) of cold water with stirring. This dilution produces an 1100 ppm active hydrogen peroxide solution.

### ***Optimal bleaching conditions for Laundry are:***

pH (wash)	10.8 to 11.2
Time	10 to 12 minutes
Temperature	76 to 82°C (170 to 180°F)
Concentration	15 to 60 ml (0.5 - 2 oz) per 45 kg load

Please consult your M-chem representative for specific recommendations to meet your particular needs.

## PHYSICAL DATA

Appearance	Liquid
Color	Colorless
Foam	None
Odor	None
pH	3.0 – 4.0
Hydrogen Peroxide %	29.5

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: <b>MAX LIFT</b>	WHMIS CODE: C, E, F Proper Shipping Name: HYDROGEN PEROXIDE, AQUEOUS SOLUTION w/ 20-60% Hydrogen Peroxide (stabilized as necessary)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="2">HMIS</th> </tr> </thead> <tbody> <tr> <td style="width: 20px;">3</td> <td>Health</td> </tr> <tr> <td>0</td> <td>Flammability</td> </tr> <tr> <td>1</td> <td>Reactivity</td> </tr> <tr> <td>B</td> <td>Personal</td> </tr> </tbody> </table> A=Gloves, B=Goggles & Gloves C=Goggles, Gloves and Apron	HMIS		3	Health	0	Flammability	1	Reactivity	B	Personal
HMIS												
3	Health											
0	Flammability											
1	Reactivity											
B	Personal											
Product Use: <i>Hydrogen peroxide based bleach and sanitizer.</i>	Hazard Class: 5.1 (8) UN Number: UN2014 PACKING GROUP: II											
M-chem Technologies Inc. 1607 Derwent Way Delta, BC V3M 6K8, Canada Phone: (604) 526-5655												
<b>EMERGENCY PHONE</b> 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>	7722-84-1	25.0 – 30.0	N/A	ACGIH TLV TWA: 1 ppm
LD50 (Oral, Rat) >1193 mg/kg				
LC50 (Dermal, Rabbit) >2000 mg/kg				

## SECTION 3 – PHYSICAL DATA

<b>Color and Odor:</b> Colorless, pungent odor. <b>pH:</b> < 2.0 <b>Physical State:</b> Liquid. <b>Coeff. Water/Oil Dist:</b> Greater than 1.0	<b>Boiling Point:</b> 107°C <b>Melting Point:</b> N/A <b>Evaporation Rate:</b> >1 <b>Volatility:</b> Approx. 100%	<b>Vapor Pressure (mm HG):</b> 24 mmHg (at 30°C) <b>Vapor Density:</b> N/A <b>Odor Threshold:</b> No Data <b>Specific Gravity:</b> 1.11 @ 20°C <b>Solubility in Water:</b> Soluble
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## SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point and Method:</b> None to 100°C (TCC) <b>Flammable Limits:</b> Not applicable. <b>Unusual Fire and Explosion Hazards:</b> None known.	<b>Sensitivity to Mechanical Impact:</b> None. <b>Sensitivity to Static Discharge:</b> None. <b>Extinguishing Media:</b> Water	<b>Conditions of Flammability:</b> None. <b>Auto ignition Temperature:</b> Not applicable. <b>Combustion Products:</b> Oxygen.
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**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

<b>Exposure Limits:</b> See Section 2 under Hazardous Ingredient. <b>Irritancy of Product:</b> Extremely irritating to eyes or skin. <b>Sensitization:</b> None known. <b>Name of Toxicological Synergistic Product:</b> None known. <b>Teratogenicity:</b> None known. <b>Effects of Chronic Exposure:</b> Repeated or prolonged inhalation may lead to sore throat, nose bleeding, chronic bronchitis. Risk of chemical pneumonitis and pulmonary edema. <b>Effects of Acute Exposure to Product:</b> 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.	<b>Routes of Entry:</b> Skin, eyes, inhalation, ingestion. <b>Carcinogenicity:</b> None known. <b>Mutagenicity:</b> None known. <b>Reproductive Toxicity:</b> None known.
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## 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      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