



# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **HYDROGENIC**  
 Product Use: *Hydrogen peroxide based cleaner.*  
 WHMIS CODE: D2B  
 Proper Shipping Name: N/A  
 Hazard Class: N/A  
 UN Number: N/A

HMIS	
1	Health
0	Flammability
0	Reactivity
B	Personal

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

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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	1.0 - 5.0	N/A	N/E
LD50 (oral rat)	1518 mg/kg			
LD50 (dermal)	N/A			
LC50	N/A			

## SECTION 3 – PHYSICAL DATA

**Color and Odor:** Colorless, citrus scent.      **Boiling Point:** N/D      **Vapor Pressure (mm HG):** N/D      **pH:** 5.5-6.5  
**Physical State:** Liquid.      **Melting Point:** N/A      **Vapor Density:** N/D      **Specific Gravity:** 1.015 @ 20°C  
**Coef. Water/Oil Dist:** Greater than 1.0      **Evaporation Rate:** N/D      **Solubility in Water:** Soluble      **Odor Threshold:** No Data

## 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:** None known.      **Sensitivity to Static Discharge:** None.      **Auto ignition Temperature:** None known.  
**Extinguishing Media:** Not flammable. Use extinguishing medias suitable for surrounding areas.  
**Unusual Fire and Explosion Hazards:** None known.  
**Hazardous Combustion Products:** Oxides of carbon.  
**Special Fire Fighting:** Wear NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situation. Use water spray to cool all nearby fire exposed surfaces.

## SECTION 5 – REACTIVITY DATA

**Chemical Stability:** Stable under normal storage conditions.  
**Hazardous Polymerization:** Will not occur.  
**Incompatibility (material to avoid):** Strong reducing agents, organic compounds.  
**Hazardous Decomposition Products:** Oxides of carbon.

## SECTION 6 – TOXICOLOGICAL DATA

**Exposure Limits:** See Section 2 under Hazardous Ingredient.      **Routes of Entry:** Skin, eyes, inhalation.  
**Irritancy of Product:** May be 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:** Prolonged or repeated exposure may cause drying, defatting and dermatitis on skin.  
**Effects of Acute Exposure to Product:** Product exposure may cause irritation on eye contact and temporary whitening and slight redness on skin contact. Ingestion may cause vomiting, headache and medical problems.

## SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

**Respiratory Protection:** Normally not required. Use a NIOSH/MSHA approved dust/mist respirator if product is misted/sprayed in confined areas.  
**Ventilation:** Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.  
**Protective Gloves:** Natural or butyl rubber, nitrile or neoprene gloves recommended.  
**Eye Protection:** Normally not required. If product mist/spray is possible at use, use chemical goggles, safety goggles or glasses.  
**Protective Clothing and Equipment:** Long sleeve clothing. Eyes wash recommended in the immediate work area.  
**Storage and Handling Procedures:** Use good Industrial hygiene. Avoid contact with skin, eyes and clothing. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with other chemicals. Store at temperatures below 30°C and keep from freezing.  
**Disposal Procedures for Spills or Leaks:** Wear protective equipment. Dike and contain large spills. Pump spills into an approved waste container. For small spills, soak up with a suitable absorbent such as clay, soil or commercially available absorbents, and then dispose of into an approved waste container. Keep away from sewers and natural waters.  
**Waste Disposal Method:** Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.  
**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: Oct. 3, 2012  
 THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE