

MATERIAL SAFETY DATA SHEET

Flammability	Reactivity
Health	Personal Protection

SECTION I - MATERIAL IDENTIFICATION AND USE

Material Name Hydrogen Peroxide 25%
Manufacturer Crown Chemical Products Inc. **Supplier's Name**
Street Address 6125 Netherhart road **Supplier's Address**
Mississauga Ontario L5T 1G5
Emergency Tel. (905) 564-0904
Chemical Name Hydrogen Peroxide **Chemical Family** Inorganic
Molecular Weight N/AV **Material Use**

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration %	C.A.S. N.A. or U. N. Numbers	Exposure Limits	LD ₅₀ /LC ₅₀ Specify Species and Route
Hydrogen Peroxide	15-40	7722-84-1	>500mg/kg (Oral Rat) >2000 PPM (Rats)	LD50 >500Mg/Kg (ORAL, RAT) LC50 >2000 ppm (RAT)

SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State Liquid **Odour and Appearance** Slightly pungent odour, colourless
Specific Gravity 1.10 - 1.15 **Evaporation Rate** N/AV **Boiling Point (°C)** N/AV
Freezing Point (°C) **Solubility in Water (20°C)** 100% **% Volatile (by volume)** N/AV
pH <3 **Density (g/ml)** N/AV **Coefficient of Water/Oil Distribution** N/AV

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability (If yes, under which conditions:) Not flammable
Means of Extinction Use large quantities of water. Spray water to cool fire-exposed containers and structures.
Special Procedures Wear protective clothing including chemical splash goggles or hood and breathing apparatus.
Flashpoint (°C) and Method N/AP **UEL (% By Vol.)** N/AP **LEL (% By Vol.)** N/AP
Auto Ignition Temp. (°C) N/AP **TDG Flammability Classification** N/AP
Hazardous Combustion Products N/AV
Explosion Data - Sensitivity to Chemical Impact N/AP **Rate of Burning** N/AP
Explosive Power N/AP **Sensitivity to Static Discharge** N/AP

SECTION V - REACTIVITY DATA

Chemical Stability Stable

Incompatibility to Other Substances

Contact with combustible materials may cause a fire.

Reactivity and Under What Conditions?

Contact with metals, alkalis and reducing agents will cause hazardous

Hazardous Decomposition Products

decomposition resulting in the release of heat, steam and oxygen gas.

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SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

Route Of Entry Skin Contact Skin Absorption Eye Contact Inhalation Acute Inhalation Chronic Ingestion

Effects Of Acute Exposure To Product Eye contact: Corrosive. May cause conjunctivitis, corneal burns and permanent damage. Symptoms may occur with delay. Skin contact: Corrosive. May cause burns resulting in permanent damage. Prolonged exposure may cause severe irritation & white discoloration. Burning may result in localized erythema (redness) or even blistering of the skin.

Effects Of Chronic Exposure To Product Inhalation: Causes severe respiratory irritation. Vapours may cause pulmonary edema. Toxic effects may be delayed. Ingestion: Cause burns to the gastrointestinal tract. Aspiration into the lungs may occur during ingestion or vomiting, resulting in lung injury.

Irritancy Of Product

Exposure Limits Of Product

Sensitization To Product

Synergistic Materials

Carcinogenicity Reproductive Effects Teratogenicity Mutagenicity

No Known Systemic Effects

SECTION VII - PREVENTIVE MEASURES

Personal Protective Equipment

Gloves Rubber, Latex

Respiratory Respirator required if over exposure limits

Eye Goggles

Footwear None special

Clothing

Other Wear a face shield if splashing hazard exists

Engineering Controls Local exhaust required

Leak And Spill Procedure Absorb spill with sand or earth materials. Flush area with water. Keep materials which can burn, away from spilled materials.

Waste Disposal Dispose in accordance with local, provincial, and federal by-laws.

Handling Procedures And Equipment HMIS Ratings: Health 3, Flammability 0, Reactivity 3

Storage Requirements Store in a cool place where possible

Special Shipping Information TDG= Hydrogen Peroxide Aqueous Solution, Class 5.1(8), UN 2014, Packing GP II

SECTION VIII - FIRST AID MEASURES

Skin Wash skin with plenty of water for at least 15 minutes.

Eye Flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately after flushing.

Inhalation Remove person to fresh air. If breathing is difficult, get medical attention.

Ingestion Do not induce vomiting. Seek immediate medical attention.

General Advise

SECTION IX - PREPARATION DATE OF M.S.D.S.

Additional Information/Comments The information herein is given in good faith but no warranty, expressed or implied, is made.

Sources Used

Prepared By: Crown Chemical Products Inc. Phone Number (905) 564-0904 Date February 4, 2010