

MATERIAL SAFETY DATA SHEET

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N.D.: NO DATA AVAILABLE N.A.: NOT APPLICABLE

SECTION 1 - PRODUCT IDENTIFICATION

COMMERCIAL:	HYDROGEN PEROXIDE TOPICAL SOLUTION U.S.P.
CHEMICAL NAME:	3% Aqueous Hydrogen Peroxide solution (Stabilised).
CHEMICAL FORMULA:	H ₂ O ₂
CHEMICAL FAMILY:	OXYDANT
CODE:	P048
PRODUCT USE:	Pharmaceutical disinfectant for minor cuts and scratches.
WHMIS CLASSIFICATION:	N.A. not regulated pharmaceutical product.
TDG CLASSIFICATION:	N.A.

SECTION 2 - INGREDIENTS**CONTROLLED INGREDIENTS (Over 1% (w/w):**

ACTIVE INGREDIENTS:		
HYDROGEN PEROXIDE	CAS: 7722-84-1	3.0%
LD ₅₀ (RAT-ORAL) = > 500 mg/Kg		

SECTION 3 - PHYSICAL CHARACTERISTICS

PHYSICAL STATE, ODOUR AND APPEARANCE:	Clear colourless liquid almost odourless.
THRESHOLD ODOUR:	N.D.
BOILING POINT:	N.A.
pH AT 25°C:	4.8 - 5.2
SPECIFIC GRAVITY AT 25°C. (water = 1):	1.01
VAPOUR PRESSURE mmHg AT 20°C:	N.A.
VAPOUR DENSITY (air = 1):	N.A.
WATER SOLUBILITY:	Soluble.
FREEZING POINT:	N.D.
EVAPORATION RATE:	N.D.
PARTITION COEFFICIENT (WATER/OIL):	N.D.
FLASH POINT:	N.A.
AUTOIGNITION TEMPERATURE:	N.D.

SECTION 4 - REACTIVITY

STABILITY: Unstable with heat or contamination. Liberation of oxygen gas may result in dangerous pressures.

CONDITIONS TO AVOID: Contamination or heat may cause self-accelerating decomposition with oxygen gas release that can cause dangerous pressures within the bottle. May react dangerously with organic materials such blood and saliva and also with dirt, iron, copper or their salts, and alkalis.

INCOMPATIBILITY: Incompatible with most flammables and many other oxidizing and reducing agents.

HAZARDOUS DECOMPOSITION: None.

HAZARDOUS POLYMERISATION: None.

SECTION 5 - FIRE AND EXPLOSION HAZARD

FLAMMABILITY: Not flammable.**SPECIAL FIRE HAZARDS:** N.A.**HAZARDOUS COMBUSTION PRODUCTS:** N.D.**FIRE FIGHTING MEDIA:** N.A.

SECTION 6 - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE:**EYES:** Contacts with the eyes and mucosa can cause irritation.**SKIN:** In normal use, does not cause irritation. However, sensitive individuals may develop skin irritation.**INHALATION:** N.A.**INGESTION:** Since this product is used for external topical use, ingestion may then develop irritation of the upper gastrointestinal tract with pain, nausea and/or vomiting.**EFFECTS OF CHRONIC EXPOSURE:**

Prolonged and repeated exposure, may sometimes cause inflammation or sensitization of the skin.

SECTION 7 - PREVENTATIVE MEASURES

AS NEEDED, APPLY THE APPROPRIATE MEASURES ACCORDING TO THE AMPLITUDE OF EXPOSURE.**SKIN:** N.A.**EYES:** Avoid any contact with the eyes.**RESPIRATORY TRACT:** N.A.**OTHER PROTECTIVE EQUIPMENTS:** N.A.**VENTILATION:** N.A.**IN CASE OF SPILL OR LEAK:** N.A.**WASTE DISPOSAL:** N.A.**HANDLING PROCEDURES AND STORAGE REQUIREMENTS:** Use with care. Keep bottle closed and store in a cool area away from the reach of children. Avoid exposure to temperatures above 30°C which may activate decomposition and increase bottle pressure. If this happens, direct bottle opening away from face and release pressure by carefully and slowly unscrewing the cap until the pressure drops.

SECTION 8 - FIRST AID MEASURES

EYES: Flush eyes immediately with large volumes of water for 15 minutes. If irritation persists or worsens, consult a physician.**SKIN:** Rinse with water.**INHALATION:** N.A.**INGESTION:** Give water. Do not induce vomiting. In case of non-induced vomiting, lean victim forward to prevent any risk of asphyxia. Never give any liquid to a unconscious person. Get medical attention.

SECTION 9 - OTHER INFORMATION

REVISED IN: Jan 31, 2008**REPLACE VERSION OF:** Feb 13, 2005

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