



MATERIAL SAFETY DATA SHEET

SUPPLIER:

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

SECTION 1 – PRODUCT IDENTIFICATION

COMMERCIAL NAME: HYDROGEN PEROXIDE SOLUTIONS
CHEMICAL NAME: Aqueous Hydrogen Peroxide solution (Stabilised)
10 VOL = 3%, 20 VOL = 6% & 30 VOL = 9%.
CHEMICAL FORMULA: H₂O₂
CHEMICAL FAMILY: OXYDANT
CODE: P048 =3%, P054 = 6%, P060 = 9%
PRODUCT USE: 3% Natural health product for skin topical use. 6% & 9% Cosmetics for hair
Dye use.
WHMIS CLASSIFICATION: N.A.
TDG CLASSIFICATION: N.A.

SECTION 2 – INGREDIENTS

CONTROLLED INGREDIENTS (Over 1% (w/w)):
HYDROGENE PEROXYDE CAS: 7722-84-1 3% to 9%
LD₅₀ (RAT-ORAL) = 500 mg/Kg

SECTION 3 - PHYSICAL CHARACTERISTICS

PHYSICAL STATE, ODOR & APPEARANCE: Clear colourless liquid almost odourless to an ozone like odour.
THRESHOLD ODOUR: N.D.
BOILING POINT: About 100°C.
MELTING POINT: N.A.
pH AT 25°C: 3.5 - 5.5
SPECIFIC GRAVITY AT 25°C. (Water=1): 1.0
VAPOUR PRESSURE mmHg AT 20°C: N.A.
VAPOUR DENSITY (air=1): N.A.
WATER SOLUBILITY: Soluble
FREEZING POINT: About 0°C
EVAPORATION RATE: N.D.
PARTITION COEFFICIENT (WATER/OIL): No phase separation. Complete water solubility.
FLASH POINT: N.A.
AUTOIGNITION TEMPERATURE: N.A.

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.



**HYDROGEN PEROXIDE 10VOL, 20VOL & 30VOL
P048, P054, P060**

HAZARDOUS COMBUSTION PRODUCTS: N.A.

FIRE FIGHTING MEDIA: Water, carbon dioxide and chemical powder media.

For single units (packages): No special requirement needed. For larger amounts (multiple packages / pallets) of product: Since toxic, corrosive or flammable vapours may evolve from fires involving this product and associated packaging, self contained breathing apparatus and full protective equipments are recommended for firefighters.

SECTION 6 - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE:

EYE CONTACT: For all concentrations, contacts with the eyes cause from light to severe irritation, redness and pain.

SKIN CONTACT: For 3%, in normal use, does not cause skin irritation. However, sensitive individuals may develop skin irritation. For 6% and 9%, irritation and burning sensation appears, Skin burning is visible by a whitish color. This whitening disappears a few minutes after removing the product.

INHALATION: N.A.

INGESTION: 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 skin inflammation or sensitization.

SECTION 7 - PREVENTATIVE MEASURES

AS NEEDED, APPLY THE APPROPRIATE MEASURES ACCORDING TO THE AMPLITUDE OF EXPOSURE.

SKIN: Wear polyethylene or latex gloves

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: As dictated by the federal, provincial and municipal, rules.

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

EYE: 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 an unconscious person. Get medical attention.

SECTION 9 - OTHER INFORMATION

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