

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: **Hydrogen Peroxide 3% Solution**
OTHER MEANS OF IDENTIFICATION: None
RECOMMENDED USE: Laboratory reagent
RESTRICTIONS ON USE: None known
SUPPLIER IDENTIFIER: **Di-Corp**
8750-53 Ave
Edmonton, AB T6E 5G2
780-440-4923
EMERGENCY PHONE NUMBER 24hr: 780-468-4064

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION: Eye irritation – Category 2

LABEL SYMBOLS:



SIGNAL WORD: WARNING

CLASSIFICATION INFORMATION: Causes serious eye irritation.

OTHER HAZARDS: None known

PRECAUTIONARY STATEMENTS:

Prevention:

Wash face, hands and any exposed skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Water	7732-18-5	97%
Hydrogen peroxide	7722-84-1	3%

SECTION 4: FIRST AID MEASURES

SKIN CONTACT: Immediately flush with water for at least 15 minutes. If irritation develops and persists, obtain medical attention. Launder contaminated clothing before reuse.

EYE CONTACT: Immediately flush with gently flowing warm water for minimum 15 minutes. Hold eyelids open to ensure thorough flushing. Obtain medical attention when flushing is complete and no further irritation is felt.

INGESTION: Do not induce vomiting. Rinse mouth thoroughly with water and give 1-2 of water to drink. If spontaneous vomiting occurs keep head below hips to prevent aspiration of the vomit into the lungs; have victim rinse mouth with water again. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

INHALATION: If inhaled remove person to fresh air and keep comfortable for breathing. Obtain immediate medical attention. If victim is not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

MOST IMPORTANT SYMPTOMS / EFFECTS: Causes eye irritation. May stain the skin.

IMMEDIATE MEDICAL ATTENTION /
SPECIAL TREATMENT

Flush with water immediately if product contacts the eyes or skin.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Use media appropriate for packaging and surrounding materials.

UNSUITABLE EXTINGUISHING MEDIA:

Not available.

SPECIFIC FIRE HAZARDS:

Not considered to be a fire hazard. Concentrated hydrogen peroxide (30%) is a strong oxidizer, but this dilute product does not present that hazard. May give off oxygen slowly under fire conditions.

HAZARDOUS COMBUSTION PRODUCTS:

Not available.

SPECIAL PROTECTIVE EQUIPMENT &

Self-contained breathing apparatus required for fire-fighting personnel. Move containers from fire area, or cool with water spray, if possible.

PRECAUTIONS:

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use appropriate safety equipment. Do not flush to environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Soak up spills with noncombustible (inorganic) absorbent material. Collect in appropriate containers for disposal. Rinse spill area thoroughly with water.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Wear personal protective equipment. Wash thoroughly after handling. Avoid contact with skin and eyes. Avoid ingestion. Wash clothing before reuse.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Light sensitive. Store in cool, dark area away from incompatibles. Keep container tightly closed and properly labelled. Store unused material in original container. Empty packages contain residual hazardous material and should be handled as if full.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

Hydrogen peroxide: ACGIH TLV-TWA = 1 ppm

ENGINEERING CONTROLS:

Not required under normal conditions of use. If user operations generate vapour or mist use process enclosure, local exhaust ventilation or other engineering controls to keep worker exposure below limits.

PERSONAL PROTECTIVE MEASURES

RESPIRATORY PROTECTION:

Not required under normal conditions of use.

PROTECTIVE GLOVES:

Wear latex or rubber gloves when handling.

EYE PROTECTION:

Wear safety glasses with side shields at a minimum. Do not wear contact lenses.

OTHER PROTECTIVE EQUIPMENT (SPECIFY):

Protective clothing as required to prevent contact. Ensure eye-wash station and emergency shower are available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Clear colourless liquid

ODOUR:

Slight odour

ODOUR THRESHOLD:

Not applicable

pH:

Not available

MELTING POINT / FREEZING POINT:

0°C

BOILING POINT / RANGE:

100°C

FLASH POINT:	Not applicable
EVAPORATION RATE:	Not available
FLAMMABILITY:	Not applicable
FLAMMABILITY / EXPLOSIVE LIMITS:	Not applicable
VAPOUR PRESSURE:	23.3 mmHg @ 30°C
VAPOUR DENSITY:	>1.00 (Air = 1.0)
RELATIVE DENSITY:	1.00
SOLUBILITY:	Miscible in water
PARTITION COEFFICIENT:	Not available
AUTO-IGNITION TEMPERATURE:	Not applicable
DECOMPOSITION TEMPERATURE:	Not applicable
VISCOSITY:	Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Sensitive to light.
CHEMICAL STABILITY:	Stable under recommended storage conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	Will not polymerize.
CONDITIONS TO AVOID:	Keep away from light, ignition sources, metals, and excess heat.
INCOMPATIBLE MATERIALS:	Powdered metals and metal salts.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxygen.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY:	Not available
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COMPONENT TOXICITY

COMPONENT	LD50 Oral	LD50 Dermal	LC50 Inhal
Hydrogen peroxide	376 mg/kg (rat)	>2000 mg/kg (rabbit)	2 gm/m ³ /4hr (rat)

SKIN CONTACT:	May cause irritation and redness. May discolour skin. Contact to open skin may cause stinging, pain or irritation.
EYE CONTACT:	May cause moderate to severe irritation.
INGESTION:	May cause irritation of the digestive tract. May lead to distention of the esophagus and stomach.
INHALATION:	Not a likely source of exposure. Inhalation of mists or vapours may cause respiratory tract irritation.
CARCINOGENICITY:	Not considered to be carcinogenic.
TERATOGENICITY:	No information available.
REPRODUCTIVE TOXICITY:	No information available.
MUTAGENICITY:	No information available.
CHRONIC TOXICITY:	No information available.
TARGET ORGAN EFFECTS:	Not available.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	Contains a substance which is toxic to aquatic organisms.		
COMPONENT	LC50	EC50	EC50
	(pimephales promelas)	(water flea)	(freshwater algae)
Hydrogen peroxide	16.4 mg/L/96hr	7.7 mg/L/24hr	2.5 mg/L/72hr
PERSISTENCE AND DEGRADABILITY:	Not applicable to inorganic substances.		
BIOACCUMULATIVE POTENTIAL:	No information available.		
MOBILITY IN SOIL:	No information available.		
OTHER ADVERSE EFFECTS:	Not available.		

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, provincial and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Rinsed empty containers may be discarded in general trash or recycled.

SECTION 14: TRANSPORTATION INFORMATION

TDG	Not regulated
DOT	Not regulated
IATA	Not regulated
IMDG	Not regulated
UN NUMBER:	Not applicable
PROPER SHIPPING NAME:	Not applicable
CLASS:	Not applicable
PACKING GROUP:	Not applicable
IMDG HAZARDS:	Not available
BULK TRANSPORT:	Not regulated
SPECIAL PRECAUTIONS:	None

SECTION 15: REGULATORY INFORMATION

DSL:	Listed
WHMIS CLASS:	D2B
TSCA:	Listed

SECTION 16: OTHER INFORMATION

REVISION DATE:	October 13, 2017
PREVIOUS VERSION DATE:	Not applicable

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