

HYDROGEN PEROXIDE TOPICAL SOLUTION

3% (10 volume)

Hydrogen Peroxide 3% Topical Solution

maxill

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER

Product Identifier: Hydrogen Peroxide 3% Topical Solution
Product Form: Liquid
Other means of identification: Item No. 60080, Hydrogen Peroxide 3%
Product Use: First aid antiseptic, mild oxidizing solution

Supplier Details: maxill inc.
80 Elm St.
St. Thomas, ON
Canada, N5R 6C8

Emergency Contact: maxill inc. 519-631-7370, CANUTEC: 613.996.6666, ChemTel: 1-800-255-3924

2. HAZARDS IDENTIFICATION

GHS Classification for Mixture: Skin corrosion/irritation – Category 2
Eye damage/irritation – Category 2A

GHS Label Elements:



Signal Word: WARNING
Hazard Statements: Causes skin irritation
Causes serious eye irritation
Precautionary Statements: Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves. Wear eye protection/face protection.
Response: IF ON SKIN: Wash with plenty of soap and water
Specific treatment (see supplemental first aid instructions on this label)
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse.
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 advice/attention

Storage: None
Disposal: None
Hazards Not Otherwise Classified: None known.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Mixture

Name	Product Identifier	% (w/w)
Hydrogen peroxide	(CAS) 7722-84-1	1 - 5
Purified Water	(CAS) 7732-18-5	50 - 100

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

Description of First Aid Measures

Inhalation: Remove to fresh air. Get medical attention immediately if symptoms occur.

Skin Contact: In the case of skin irritation or allergic reactions, wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Eye Contact: Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Ingestion: If swallowed do NOT induce vomiting and obtain immediate medical attention.

Most important symptoms/effects, acute and delayed

Burning sensation

Eyes: Causes serious eye damage.

Skin: Causes severe skin burns and eye damage.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to physician: No information available

See toxicological information (Section 11)

5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special Hazards Arising from the Substance or Mixture

No information available

Hazardous decomposition: Carbon oxides.

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Avoid contact with eyes and clothing. Ensure adequate ventilation. Use personal protective equipment as required.

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Environmental precautions:

Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for Safe Handling

General Procedures:

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Storage:

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

Incompatible Products:

Strong acids. Strong oxidizing agents. Strong bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls

There is no exposure data pertaining to the Product. This section reflects exposure data pertaining to individual ingredients.

Occupational exposure limits

Ingredient name	Value Type (form of exposure)	Control Parameters/ Permissible concentration	Basis
Hydrogen peroxide	TWA	1 ppm (1.4 mg/m ³)	OSHA
	TWA	1 ppm	ACGIH
	TWA	1 ppm (1.4 mg/m ³)	NIOSH
	IDLH	75 ppm	NIOSH

Appropriate engineering controls

Showers, Eyewash stations, Ventilation systems

Respiratory protection:

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Eye protection:

Tight sealing safety goggles.

Skin and body protection:

Wear protective gloves and protective clothing. Long sleeved clothing. Impervious gloves.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance (<i>physical state</i>)	Liquid.
Colour	Clear, colourless
Odor	Ozone-like
Initial boiling point	> 100°C
Freezing point	< 0°C
Flash point	Not available
Upper / Lower flammability or explosive limits	Not available
Vapor pressure	Approximately 18 mmHg
Vapor density	0.6 (air = 1)
Specific gravity	1.010
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Solubility(ies)	Soluble
pH	6.9 – 7.1

10. STABILITY AND REACTIVITY

Reactivity:	No available data
Chemical Stability:	The product is stable.
Conditions to Avoid:	None known based on information supplied
Incompatible Materials:	Strong acids. Strong oxidizing agents. Strong bases.
Hazardous Decomposition Products:	Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Component

Acute Toxicity:

Ingredient name	LD ₅₀ Oral	Species	LD ₅₀ Dermal	Species	LC ₅₀ Inhalation	Species
Hydrogen peroxide	801 mg/kg	Rat	4060 mg/kg 2000 mg/kg	Rat Rabbit	2 g/m ³ (4h)	Rat

Information on toxicological Effects

May cause skin redness. May cause redness and tearing of the eyes. May cause blindness. Burning.

Irritation/Corrosion Information for Component

Skin corrosion/irritation

Skin irritation: Remarks: Irritating to skin.

Serious eye damage/eye irritation

Eye irritation: Remarks: Irritating to eyes.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

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Carcinogenicity	ACGIH (American Conference of Governmental Industrial Hygienists); A3 – Animal Carcinogen IARC (International Agency for Research on Cancer); Group 3 - Not Classifiable as to Carcinogenicity in Humans
Reproductive Toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic Toxicity	No known effect based on information supplied.
Target Organ Effects	Respiratory system. Eyes. Skin. Blood. Lungs.
Aspiration Hazard	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity information for product: No available data

Ecotoxicity information for Components:

Persistence and degradability:	No available data
Bio-accumulative potential:	No available data
Mobility in soil:	No available data
Other adverse effects:	No available data

13. DISPOSAL CONSIDERATIONS

Disposal methods: Transfer to a suitable container and arrange for collection by specialized disposal company. May be discharged to wastewater treatment installation. Avoid release to soil. Users need to pay attention to the possible existence of regional or national regulations regarding disposal. Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment.

14. TRANSPORT INFORMATION

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Environmental hazards	No.	No.	No.	No.	No.	No.

Special precautions for user: none

15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations for Product

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US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Canadian Regulations

This product is considered a natural health product (NHP) and is exempt of requirements of WHMIS 2015.

NPN 80076884

16. OTHER INFORMATION: INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

Disclaimer

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