

1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER

Product Identifier: Evacuation System Scrubber
Product Form: Liquid
Other means of identification: Item 60030
Product Use: Dental evacuation system cleaner

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: Serious eye irritation – Category 2
Skin irritation – Category 2

GHS Label Elements:



Signal Word: Warning
Hazard Statements: Causes serious eye irritation
Causes skin irritation
Precautionary Statements (Non-GHS): Wear protective gloves. Wear eye or face protection. Wash skin thoroughly after handling.
Response: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse
IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage: Store in a dry place. Store in a closed container. Protect from sunlight.
Store in a well-ventilated place.
Disposal: Dispose of contents/container in accordance with local regulations
Hazards not otherwise classified: None known.

3. COMPOSITION AND INFORMATION ON INGREDIENTS**Mixture**

Name	Product Identifier	% (w/w)
Glycolic Acid	(CAS) 79-14-1	4.1
Isopropyl Alcohol	(CAS) 67-63-0	2.1

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 person to fresh air and keep at rest in a position comfortable for breathing. Loosen tight clothing such as a collar, tie, belt, or waistband. If the exposed person is not breathing, provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately. **WARNING:** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious, or corrosive.
- Skin Contact:** Immediately remove all contaminated clothing. Wash contaminated areas thoroughly with water. If redness or other symptoms occur, seek medical attention.
- Eye Contact:** Immediately flush with clean, low-pressure water for several minutes. Hold eyelids open to ensure adequate flushing. Remove the contact lenses if worn and easy to do that. Immediately seek medical attention.
- Ingestion:** **DO NOT INDUCE VOMITING.** If swallowed, call a physician immediately. Only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person. Immediately seek medical attention. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated. If the exposed person is conscious, give lots of water to drink. Monitor for breathing difficulties. In case of ingestion of large quantities immediately take the exposed person to a hospital.

Most important symptoms/effects, acute and delayed

No information available

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: Alcohol-type or universal-type foams. Carbon dioxide. Dry chemical. The product is not flammable or combustible.

Special Hazards Arising from the Substance or Mixture

Heating or fire can release toxic gas

Further Information: Use water spray to cool unopened containers.

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

For large spills inside: Evacuate the room of anyone not wearing approved protective equipment. For minor spills: Wear protective gloves clothing, and protective goggles to prevent contact with skin and eyes.

SAFETY DATA SHEET**Environmental precautions:**

Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc). If the product has entered a water course or sewer or contaminated soil or vegetation, advise the local emergency services and environmental authorities.

Methods and materials for containment and cleaning up

For large spills: Ventilate spill area. Absorb with earth, sand, or other non-combustible material. If possible, the spilled liquid should be transferred to a waste container. Residual liquid should be absorbed and placed in separate container. Dispose of the material in accordance with government regulations. For small spills: Dilute with water and absorb into dry earth or sand. Transfer to a closable, labeled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE**Precautions for Safe Handling****General Procedures:**

Avoid direct contact with the substance (solid / liquid / vapor). Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Check container for defect or leakage before handling. Keep container tightly closed. Wash Hands thoroughly after handling. Report immediately if physical damage, leakage, or spillage occurs. Protect against physical damage. Eye wash stations and showers are recommended in areas where product is stored in large quantities. For small volume use, ensure there is a sink nearby which employees can use to flush their eyes and skin appropriately in the event of accidental exposure.

Handling:

KEEP OUT OF REACH OF CHILDREN

Storage:

Keep away from direct sunlight. Store in original container at controlled room temperature, away from incompatible materials such as transition metals (aluminum, copper, nickel, zinc). Keep container closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Controls****Occupational exposure limits**

Ingredient name	Value Type (form of exposure)	Control Parameters/ Permissible concentration	Basis
Isopropyl alcohol	TLV STEL	400 ppm	ACGIH
	TLV TWA	200 ppm (400 mg/m ³)	ACGIH
	STEL	984 mg/m ³	TLV
	REL STEL	500 ppm (1225 mg/m ³)	NIOSH
	REL TWA	400 ppm (980 mg/m ³)	NIOSH
	PEL TWA	400 ppm (980 mg/m ³)	OSHA

Biological occupational exposure limits

No available data

Appropriate engineering controls

Eye wash stations and showers are recommended in areas where product is stored in large quantities. For small volume use, ensure there is a sink nearby which employees can use to flush their eyes and skin appropriately in the event of accidental exposure. Provide adequate general and local exhaust ventilation.

Respiratory protection:

Respiratory protection is required if the concentrations exceed the TLV. Certified self-contained breathing apparatus must be available in case of emergency.

SAFETY DATA SHEET

Hand protection:	Wear impermeable gloves.
Eye protection:	Wear safety goggles. In industrial plants or large production areas, ensure eye-wash stations are available. For use in small settings or offices, a procedure and training for washing eyes in a sink is recommended.
Skin and body protection:	Wear appropriate chemical resistant clothing.
Hygiene measures:	No available data

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state)	Liquid.
Colour	Clear, green
Odor	Mild lemon / alcohol
Initial boiling point	> 100°C
Freezing point	< 0°C
Flash point	Not available
Upper / Lower flammability or explosive limits	Not available
Vapor pressure	< 23 mmHg
Vapor density	Approximately 1.0 (air = 1)
Specific gravity	1.000
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Solubility(ies)	Soluble
pH	3.10 (3% solution) 1.70 (concentrated)

10. STABILITY AND REACTIVITY

Reactivity:	No available data
Chemical Stability:	The product is stable.
Conditions to Avoid:	Direct sunlight. Fire. Heat.
Incompatible Materials:	Alkalis. Strong bases. Alkali earth metals.
Hazardous Decomposition Products:	Corrosive gases, toxic gases, phosphorous oxide.

11. TOXICOLOGICAL INFORMATION**Information on Toxicological Effects - Component****Acute Toxicity:**

Ingredient name	LD₅₀ Oral	Species	LD₅₀ Dermal	Species	LC₅₀ Inhalation	Species
Isopropyl alcohol	3600 mg/kg 6410 mg/kg 5000 mg/kg	Mouse Rabbit Rat	12800 mg/kg	Rabbit	53000 mg/m ³ 16000 ppmV (8h) 72600 mg/m ³	Mouse Rat Rat
Glycolic acid	1950 mg/kg	Rat	Not available	-	0.0071 mg/m ³ (4h) 7.7 – 14 mg/L (4h) 3.6 mg/L >5.2 mg/L	Rat Hoeschst Male Rat; DuPont Female Rat; DuPont

Information on toxicological Effects – Product

No available data for this section

Information on the likely routes of exposure: Eyes, Skin, Ingestion, Inhalation

SAFETY DATA SHEET**Irritation/Corrosion Information for Component**

Ingredient name	Test	Dose	Species	Outcome
Isopropyl alcohol	Draize – Eye	100 mg	Rabbit	Severe
		10 mg	Rabbit	Moderate
		100 mg (24h)	Rabbit	Moderate
		500 mg	Rabbit	Mild
Glycolic acid	Draize - Eye	2 mg	Rabbit	Severe

Skin corrosion/irritation

Skin irritation: Remarks: Irritating to skin.

Serious eye damage/eye irritation

Eye irritation: Remarks: Irritating to eyes.

12. ECOLOGICAL INFORMATION

Ecotoxicity information for product: No available data

Ecotoxicity information for Components:

Ingredient name	LC ₅₀ Environmental	Time	Species
Isopropyl alcohol	64,000 to 100,000 mg/L	24 – 48h	Fish, Bluegill sunfish
Glycolic acid	93 mg/L	24 – 48h	Fish, Bluegill sunfish
	164 mg/L	96h	Fish, Fathead minnow
	141 mg/L	48h	Water Flea, daphnia

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

No available data for this section.

Safety, Health and Environmental Regulations for Component

Isopropyl alcohol

Federal and State Regulations:

Connecticut Hazardous Material Survey.
Illinois Toxic Substances Disclosure to Employee Act.
Rhode Island RTK Hazardous Substances.
Pennsylvania RTK.
Florida.
Minnesota.
Massachusetts.
New Jersey.
New Jersey Spill List.
Director's List of Hazardous Substances.
Tennessee.
TSCA 8(b) inventory.
TSCA 4(a) Final Testing Order.
TSCA 8(a) IUR.
TSCA 8(d) H and S data reporting.
TSCA 12(b) One Time Report.
SARA 313 toxic chemical notification and release reporting.

Glycolic acid

TSCA:	Present
SARA 313:	Not reportable
Canadian Ingredient Disclosure List:	Present
Canada DSL:	Present

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

Disclaimer

maxill inc. believes that the information on this SDS was obtained from reliable sources. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, maxill Inc. does not assume responsibility and expressly disclaims liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable. Information is correct to the best of our knowledge at the date of the SDS publication.