

SECTION 1 : Identification of the substance/preparation and of the company / undertaking

(a) GHS product identifier

Clean 99 - Isopropyl Alcohol 99%

(e) Emergency phone number

CHEMTREC 1-800-424-9300
CCN9105

(b) Other means of identification

N/A

(c) Recommended use of the chemical and restrictions on use

For professional dental applications.

(d) Supplier's details

Garreco, LLC.
430 Hiram Road
Heber Springs, AR 72543
Phone: 1-800-334-1443

SECTION 2: Hazards identification

(a) GHS classification of the substance/mixture

Substance Name	CAS number	%
Isopropanol	67-63-0	>99

(b) Label Elements

Hazard Symbols

Flame and Exclamation Mark

Signal Word

Warning

Hazard Statements

Flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.

Precautionary statements

None

(c) Other hazards which do not result in classification

None

SECTION 3: Composition/information on ingredients

(a) Chemical(s) Identity:

(b) Common Name:

Substance Name	CAS number	%
Isopropanol	67-63-0	>99

SECTION 4: First-aid measures

(a) Description of first aid measures:

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

IF SWALLOWED: Rinse mouth. Get medical attention if symptoms occur.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

(b) Most important symptoms and effects, both acute and delayed:

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

SECTION 4: First-aid measures (Continued)

(c) Indication of any immediate medical attention and special treatment needed:

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Fire-fighting measures

(a) Suitable extinguishing media:

Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO₂).
Do not use water jet as an extinguisher, as this will spread the fire.

(b) Special hazards arising from the chemical or mixture:

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

(c) Special protective equipment and precautions for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

(a) Personal precautions, protective equipment and emergency procedures:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

(b) Environmental precautions:

Avoid discharge into drains, water courses or onto the ground.

(c) Methods and material for containment and cleaning up:

Absorb/clean with appropriate and compatible material. Stop flow of material if without risk. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

SECTION 7: Handling and storage

(a) Precautions for safe handling:

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist/vapors. Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

(b) Conditions for safe storage, including any incompatibilities:

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

SECTION 8: Exposure controls/Personal protection**(a) Control parameters:****US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Component	Type	Values	
Isopropanol (CAS 67-63-0)	PEL	980 mg/m ³	400 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Component	Type	Values	
Isopropanol (CAS 67-63-0)	STEL	400 ppm	
	TWA	200 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Component	Type	Values	
Isopropanol (CAS 67-63-0)	STEL	1225 mg/m ³	500 ppm
	TWA	980 mg/m ³	400 ppm

(b) Appropriate Engineering Controls:

Not available.

(c) Individual protection measures:

It is recommended that users of this product perform a risk assessment to determine the appropriate PPE. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Eye Protection

Do not get in eyes. Chemical respirator with organic vapor cartridge and full facepiece. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Hand Protection:

Wear appropriate chemical resistant, impervious gloves. Wear protective gloves. For prolonged or repeated skin contact use suitable protective and impervious gloves.

Skin and Body Protection:

Wear appropriate chemical resistant clothing. Wear appropriate thermal protective clothing, when necessary.

Respiratory Protection:

Chemical respirator with organic vapor cartridge and full facepiece.

SECTION 9: Physical and chemical properties

(a) Appearance:	Clear liquid
(b) Odor:	Alcohol
(c) Odor threshold:	Not available
(d) pH:	Not available
(e) Melting point / freezing point:	-127.3 °F (-88.5 °C)
(f) Initial boiling point and boiling range:	180.5 °F (82.5 °C) / 101.33 kPa
(g) Flash point	75.0 °F (23.9 °C) Open Cup
(h) Evaporation rate (BuAc=1):	1.5
(i) Flammability:	Not applicable.
(j) Upper/lower flammability or explosive limits:	2.5 % v/v 77 °F (25 °C) / 12.7 % v/v 77 °F (25 °C)
(k) Vapor Pressure:	6.0527 kPa
(l) Vapor density:	2.1
(m) Relative density:	0.781 g/cm ³
(n) Solubility:	Miscible
(p) Auto-ignition temperature:	750.2 °F (399 °C)
(q) Decomposition temperature:	Not available.

SECTION 10: Stability and reactivity

(a) Reactivity:	The product is stable and non-reactive under normal conditions of use, storage and transport.
(b) Chemical stability:	Material is stable under normal conditions.
(c) Possibility of hazardous reactions:	Hazardous polymerization does not occur.
(d) Conditions to avoid:	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
(e) Incompatible materials	Acids. Strong oxidizing agents. Chlorine. Isocyanates.
(f) Hazardous decomposition products:	Carbon oxides.

SECTION 11: Toxicological information**Acute toxicity**

Skin corrosion/irritation No adverse effects due to skin contact are expected.

Serious Eye Damage / Irritation Causes serious eye irritation.

Respiratory or skin sensitization

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.

Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible.

Carcinogenicity Due to partial or complete lack of data the classification is not possible.

Reproductive toxicity Due to partial or complete lack of data the classification is not possible.

STOT-single exposure May cause drowsiness and dizziness.

STOT-repeated exposure Due to partial or complete lack of data the classification is not possible.

Aspiration Hazard Due to partial or complete lack of data the classification is not possible.

(a) Exposure route:

Eye and Ingestion (low)

(b) Symptoms related to the physical, chemical and toxicological characteristics:

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation.

Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

(c) Delayed and immediate effects and also chronic effects from short and long term exposure:

Prolonged inhalation may be harmful.

SECTION 11: Toxicological information (Continued)**(d) Numerical measures of toxicity:**

Isopropanol (CAS 67-63-0)

Acute		Species	Test Results
Dermal	LD50	Rabbit	12800 mg/kg
Oral	LD50	Rat	4.7 g/kg

SECTION 12: Ecological information

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

(a) Ecotoxicity:

Product	Species	Test Results
Isopropanol (CAS 67-63-0)	Bluegill (<i>Lepomis macrochirus</i>) (LC50)	1400 mg/l, 96 hours estimated

(b) Persistence and degradability:

No data is available on the degradability of this product.

(c) Bioaccumulative potential

BCF = 3 (Based on fish and a log KOW of 0.05).

(d) Mobility in soil:

Expected to have high mobility based on an estimated Koc of 1.5.

(e) Other adverse effects:

The product contains volatile organic compounds which have a photochemical ozone creation potential.

SECTION 13: Disposal considerations**Product:****Recommendation**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information**(a) UN Number**

UN1219

(b) UN Proper shipping name

Isopropanol

(c) Transport hazard class(es)

3

(d) Packing Group

II

(e) Environmental hazards

No

(f) Transport in bulk

Not established.

(g) Other Information

N/A

Safety Data Sheet

Form No. A872

Date Prepared: 5/16/2023**SECTION 15: Regulatory information**

SARA Reporting Requirements:	Not regulated.
SARA Threshold Planning Quantity:	N/A
TSCA Inventory Status:	All components are on the U.S. EPA TSCA Inventory List.
Other Federal Requirements:	ND
Other Canadian Regulations:	ND
State Regulatory Information:	ND

SECTION 16: Other information**PREPARED BY:** Kristofer Mainar**GAR QMS SDS REFERENCE:** A871**REVISION NUMBER:** 230516**CHANGES FROM PREVIOUS VERSION:** Initial version.**ABBREVIATIONS**

NA Not Applicable	LD Lethal Dose
ND Not Determined	TC Toxic Concentration
NE Not Established	TD Toxic Dose
ppm parts per million	BOD Biological Oxygen Demand
G Gallon	COD Chemical Oxygen Demand
mg Milligram	Lo Lowest
L Liter	ThOD Theoretical Oxygen Demand
gm Gram	TLm Threshold Limit
mol Mole	IC Inhibitory Concentration
kg Kilogram	DOC Dissolved Organic Carbon
μ Micro	H Hours
mm Millimeter	M Months
p Pico	D Days
Pa Pascals	Y Years
c cento	W Weeks
LC Lethal Concentration	IARC International Agency for Research for Cancer
ACGIH American Conference of Governmental Industrial Hygienist	NOEL No Observed Effect Level
CPR Controlled Product's Regulation	NOAEL No Observed Adverse Effect Level
DSL Canadian Domestic Substances List	OSHA Occupational Safety and Health Administration
NDSL Canadian Non-domestic Substance List	PEL Permissible Exposure Limit
	TLV Threshold Limit Value

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200) OF CHEMICALS AND THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING REVISION 5. ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED.

THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.