

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: MORGAN-224-BULK
Product Name: Hand Sanitizer Solution 101
Company Name: Morgan-Gallacher, Inc.
8707 Millergrove Drive
Santa Fe Springs, CA 90670
Emergency Contact: CHEMTREC
Phone Number: +1 (562)695-1232
Emergency Contact: CHEMTREC
Phone Number: +1 (800)424-9300

2. HAZARDS IDENTIFICATION

Flammable Liquids, Category 2

Serious Eye Damage/Eye Irritation, Category 2A

Specific Target Organ Toxicity (single exposure), Category 3



GHS Signal Word: Danger

GHS Hazard Phrases:
Highly flammable liquid and vapor.
Causes serious eye irritation.
May cause respiratory irritation.
May cause drowsiness or dizziness.
Harmful if swallowed.

GHS Precaution Phrases: Keep out of reach of children. Read label before use.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/.../ equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wear eye protection.
Keep cool.

GHS Response Phrases:
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Get immediate medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes.
Get immediate medical advice/attention.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Get immediate medical advice/attention.

GHS Storage and Disposal Phrases:
Store container tightly closed in well-ventilated place.
Store locked up.

Dispose of contents/container in accordance to local, state and federal regulations.

Inhalation:	Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes upper respiratory tract irritation.
Skin Contact:	Repeated or prolonged exposure may cause drying of the skin.
Eye Contact:	Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury.
Ingestion:	Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause kidney damage. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
67-63-0	Isopropyl Alcohol	<20.0 %

4. FIRST AID MEASURES

Emergency and First Aid

Procedures:

In Case of Inhalation:	If inhaled, remove to fresh air.
In Case of Skin Contact:	Get medical aid if irritation develops and persists.
In Case of Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
In Case of Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. If victim is conscious and alert, give 2-4 cupfuls of water. Get medical attention immediately.
Note to Physician:	Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt:	< 100.00 F
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
Suitable Extinguishing Media:	For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray. For small fires, use carbon dioxide, dry chemical, dry sand, or alcohol-resistant foam. Cool containers with flooding quantities of water until well after fire is out.
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form explosive mixtures with air. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. May form explosive peroxides.
Flammable Properties and Hazards:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.
Hazardous Combustion Products:	No data available.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures:	Use proper personal protective equipment as indicated in Section 8.
Environmental Precautions:	Observe all federal, state, and local environmental regulations.
Steps To Be Taken In Case Material Is Released Or Spilled:	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	Avoid contact with eyes. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Take precautionary measures against static discharges. Keep container tightly closed.
Precautions To Be Taken in Storing:	Do not store in direct sunlight. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. All peroxidizable substances should be stored away from heat and light and be protected from ignition sources.
Other Precautions:	Handle in accordance with good industrial hygiene and safety practice.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
67-63-0	Isopropyl Alcohol	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.

Respiratory Equipment (Specify Type):	No special respiratory protection equipment is required with normal use.
Eye Protection:	Safety glasses.
Protective Gloves:	No data available.
Other Protective Clothing:	No data available.
Engineering Controls (Ventilation etc.):	Use explosion-proof ventilation equipment. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[<input type="checkbox"/>] Gas [<input checked="" type="checkbox"/>] Liquid [<input type="checkbox"/>] Solid
Appearance and Odor:	Colorless. Liquid.
pH:	No data.
Melting Point:	No data.
Boiling Point:	No data.
Flash Pt:	< 100.00 F
Evaporation Rate:	No data.
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: No data. UEL: No data.
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.

Specific Gravity (Water = 1): 0.962 - 0.982

Solubility in Water: No data.

Octanol/Water Partition No data.

Coefficient:

Autoignition Pt: No data.

Decomposition Temperature: No data.

Viscosity: No data.

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Light, ignition sources, Excess heat.

Instability:

Incompatibility - Materials To Strong oxidizing agents, Strong acids, Strong bases, Amines, ammonia, ethylene oxide,

Avoid: isocyanates, acetaldehyde, chlorine, phosgene, Attacks some forms of plastics, rubbers, and coatings. aluminum at high temperatures.

Hazardous Decomposition or Carbon monoxide.

Byproducts:

Possibility of Hazardous Will occur [] Will not occur [X]

Reactions:

Conditions To Avoid - No data available.

Hazardous Reactions:

11. TOXICOLOGICAL INFORMATION

Toxicological Information: Neurotoxicity: No data available.

Mutagenicity: No data available.

Teratogenicity: No data available.

Reproductive Effects: No data available.

Epidemiology: No data available.

CAS# 67-63-0: Isopropyl Alcohol: Acute toxicity, LDLO, Oral, Dog, 1537. MG/KG.

Acute toxicity, LDLO, Oral, Species: Cat, 6.000 ML/KG.

Acute toxicity, LD50, Oral, Species: Rabbit, 6410. MG/KG.

Irritation or Corrosion: Other Studies: CAS# 67-63-0:

Acute toxicity, LD50, Oral, Rat, 5045 mg/kg

Other Studies: CAS# 67-63-0:

Standard Draize Test, Skin, Species: Rabbit, 500 mg

Standard Draize Test, Eyes, Species: Rabbit, 100 mg, 24H

Carcinogenicity/Other CAS# 67-63-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Information:

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
67-63-0	Isopropyl Alcohol	n.a.	3	A4	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information:	Environmental: No information available. Physical: No information available. CAS# 67-63-0: Isopropyl Alcohol: LC50, Brine Shrimp (<i>Artemia salina</i>), 278000. UMOL/L, 24 H, Mortality. LC50, Rotifer (<i>Brachionus calyciflorus</i>), 476000. UMOL/L, 24 H, Mortality.
Results of PBT and vPvB assessment:	Other Studies: CAS# 67-63-0: LC50, Water Flea (<i>Daphnia magna</i>), 10000 mg/L, 24H, Intoxication LC50, Fathead Minnow (<i>Pimephales promelas</i>), 6550000 ug/L, 96H, Mortality
Persistence and Degradability:	No information available.
Bioaccumulative Potential:	No information available.
Mobility in Soil:	No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.
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14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Isopropanol [or] Isopropyl alcohol.

DOT Hazard Class: 3 FLAMMABLE LIQUID

UN/NA Number: UN1219 **Packing Group:** II



15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
67-63-0	Isopropyl Alcohol	No	No	Yes

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Explosive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Acute toxicity (any route of exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Flammable (gases, aerosols, liquid, or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Skin Corrosion or Irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Serious eye damage or eye irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Self-reactive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Respiratory or Skin Sensitization
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pyrophoric (liquid or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Germ cell mutagenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pyrophoric gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Carcinogenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Self-heating	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Reproductive toxicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Organic peroxide	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Specific target organ toxicity (single or repeated exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Corrosive to metal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Aspiration Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Gas under pressure (compressed gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Simple Asphyxiant
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	In contact with water emits flammable gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Health) Hazard Not Otherwise Classified (HNOC)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Combustible Dust	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Physical) Hazard Not Otherwise Classified (HNOC)		

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
67-63-0	Isopropyl Alcohol	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIb, Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: Yes - 1076; NY Part 597: No; PA HSL: Yes - E

16. OTHER INFORMATION

Revision Date: 05/31/2018

Additional Information About No data available.

This Product:

Company Policy or Disclaimer: While Morgan-Gallacher believes the statements set forth herein are accurate as of the date hereof, Morgan-Gallacher makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.