

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 03/18/2020

Reviewed on 03/18/2020

1 Identification

- **Product Identifier**
- **Trade Name: Hand Sanitizer Spray**
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** Hand Sanitizer
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
E.S.E.
1111 S Central Avenue
Los Angeles, CA 90021
(213) 614-0102
- **Emergency telephone number:** (213) 614-0102

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.

Eye Irrit. 2B H320 Causes eye irritation.

- **Label elements:**
- **Hazard pictograms:**



- **Signal word:** Danger
- **Hazard statements:**
H225 Highly flammable liquid and vapor.
H320 Causes eye irritation.
- **Precautionary statements:**

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash thoroughly after handling.
P280	Wear eye protection / face protection.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Unknown acute toxicity:**
This value refers to knowledge of known, established toxicological or ecotoxicological values.
2 % of the mixture consists of component(s) of unknown toxicity.

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Trade Name: Hand Sanitizer Spray

- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	3	Fire = 3
REACTIVITY	0	Physical Hazard = 0

- **Hazard(s) not otherwise classified (HNOC):** None known

3 Composition/Information on Ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with non-hazardous additions.

Dangerous Components:

CAS: 67-63-0	Isopropyl alcohol	60-90%
RTECS: NT 8050000	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	
CAS: 56-81-5	Glycerol	≤2.5%
RTECS: MA 8050000		

Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

- **Description of first aid measures**
- **General information:** If symptoms persist, call a physician.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** If skin irritation occurs, consult a doctor.
- **After eye contact:**
Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.
If easy to do so, remove contact lenses if worn.
If eye irritation occurs, consult a doctor.
- **After swallowing:**
Rinse mouth with water.
If swallowed and symptoms occur, consult a doctor.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

5 Fire-Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.
- **Special hazards arising from the substance or mixture:** No further relevant information available.

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Trade Name: Hand Sanitizer Spray**Advice for firefighters****Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures**Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Dilute with plenty of water.**Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Protective Action Criteria for Chemicals**PAC-1:**

67-63-0	Isopropyl alcohol	400 ppm
56-81-5	Glycerol	45 mg/m ³
532-32-1	Sodium Benzoate	61 mg/m ³

PAC-2:

67-63-0	Isopropyl alcohol	2000* ppm
56-81-5	Glycerol	180 mg/m ³
532-32-1	Sodium Benzoate	680 mg/m ³

PAC-3:

67-63-0	Isopropyl alcohol	12000** ppm
56-81-5	Glycerol	1,100 mg/m ³
532-32-1	Sodium Benzoate	810 mg/m ³

7 Handling and Storage**Handling****Precautions for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities**Storage****Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:**

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Specific end use(s): No further relevant information available.

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8 Exposure Controls/Personal Protection

· **Additional information about design of technical systems:** No further data; see section 7.

· **Control parameters:**

· **Components with occupational exposure limits:**

67-63-0 Isopropyl alcohol

PEL	Long-term value: 980 mg/m ³ , 400 ppm
REL	Short-term value: 1225 mg/m ³ , 500 ppm Long-term value: 980 mg/m ³ , 400 ppm
TLV	Short-term value: 984 mg/m ³ , 400 ppm Long-term value: 492 mg/m ³ , 200 ppm BEI

56-81-5 Glycerol

PEL	Long-term value: 15* 5** mg/m ³ mist; *total dust **respirable fraction
TLV	TLV withdrawn-insufficient data human occup. exp.

· **Ingredients with biological limit values:**

67-63-0 Isopropyl alcohol

BEI	40 mg/L urine end of shift at end of workweek Acetone (background, nonspecific)
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· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls:**

· **Personal protective equipment**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.

· **Breathing equipment:** Not required.

· **Protection of hands:** Not necessary under normal conditions.

· **Material of gloves:** Not applicable.

· **Penetration time of glove material:** Not applicable.

· **Eye protection:**



Tightly sealed goggles

· **Limitation and supervision of exposure into the environment:** None

9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:	Liquid
Color:	Clear
Odor:	Characteristic

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Trade Name: Hand Sanitizer Spray

· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	≥83 °C (≥181.4 °F)
· Flash point:	≥12 °C (≥53.6 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	Not applicable
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not self-igniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	≥2 Vol %
Upper:	≤12 Vol %
· Vapor pressure @ 30 °C (86 °F):	≤76 hPa (≤57 mm Hg)
· Density:	
Relative density:	Not determined.
Vapor density:	Not determined.
Evaporation rate:	Not determined.
· Solubility in / Miscibility with:	
Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	67.0 %
Water:	30.0 %
VOC content:	65.00 %
· Other information:	No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Product is stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Heat, flame and ignition sources.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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Trade Name: Hand Sanitizer Spray**11 Toxicological Information****Information on toxicological effects:****Acute toxicity:****LD/LC50 values that are relevant for classification:****67-63-0 Isopropyl alcohol**

Oral	LD50	5,045 mg/kg (Rat)
Dermal	LD50	12,800 mg/kg (Rabbit)
Inhalative	LC50/4 h	30 mg/l (Rat)
	LC50/96 hours	9,640 mg/l (Pimephales)

56-81-5 Glycerol

Oral	LD50	12,600 mg/kg (Rat)
Dermal	LD50	>10,000 mg/kg (Rabbit)
Inhalative	LC50/96 hours	>50,000 mg/l (Trout)

Primary irritant effect:**On the skin:** No irritating effect.**On the eye:** Irritating effect.**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

Carcinogenic categories:**IARC (International Agency for Research on Cancer):**

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

67-63-0 Isopropyl alcohol

3

NTP (National Toxicology Program):

None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

12 Ecological Information**Toxicity:****Aquatic toxicity:****67-63-0 Isopropyl alcohol**

EC50	6,851 mg/l (Green algae)
	5,102 mg/l (Water flea)

Persistence and degradability: No further relevant information available.**Behavior in environmental systems:****Bioaccumulative potential:** No further relevant information available.**Mobility in soil:** No further relevant information available.

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Trade Name: Hand Sanitizer Spray

- **Additional ecological information:**

- **General notes:**

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment:**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods**

- **Recommendation:**

Observe all federal, state and local environmental regulations when disposing of this material.

- **Uncleaned packaging**

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport Information

- **UN-Number:**

UN1219

- **DOT, ADR/ADN, IMDG, IATA**

- **UN proper shipping name:**

- **DOT**

Isopropanol mixture

- **ADR/ADN**

UN1219 ISOPROPANOL (ISOPROPYL ALCOHOL) mixture

- **IMDG, IATA**

ISOPROPANOL (ISOPROPYL ALCOHOL) mixture

- **Transport hazard class(es):**

- **DOT**



Consumer Commodity

- **Class:**

3 Flammable liquids

- **Label:**

3

- **ADR/ADN**



Consumer Commodity

- **Class:**

3 (F1) Flammable liquids

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Trade Name: Hand Sanitizer Spray· **Label:** 3· **IMDG, IATA**

Consumer Commodity

· **Class:** 3 Flammable liquids
 · **Label:** 3+ID8000
 · **Packing group:** II
 · **DOT, ADR/ADN, IMDG, IATA**
 · **Environmental hazards:** Not applicable.
 · **Special precautions for user:** Warning: Flammable liquids
 · **Hazard identification number (Kemler code):** 33
 · **EMS Number:** F-E,S-D
 · **Stowage Category** B
 · **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

· **Transport/Additional information:**· **DOT**· **Quantity limitations:**

Limited quantities of dangerous good for personal or household use, that are packaged and distributed in a form intended for suitable sale through retail agencies, may furthermore be exempted from marking of the proper shipping name and UN number on the packaging and from the requirements for a dangerous goods transport document.
 On passenger aircraft/rail: 5 L
 On cargo aircraft only: 60 L

· **ADR/ADN**· **Excepted quantities (EQ):**

Code: E2
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 500 ml

· **Remarks:**

Limited quantities of dangerous goods for personal or household use, that are packaged and distributed in a form intended or suitable for sale through retail agencies, may furthermore be exempted from marking of the UN number on the packaging and from the requirements for a dangerous goods transport document.

· **IMDG**· **Limited quantities (LQ):**· **Excepted quantities (EQ):**

1L
 Code: E2
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 500 ml

· **Remarks:**

Limited quantities of dangerous goods for personal or household use, that are packaged and distributed in a form intended or suitable for sale through retail agencies, may furthermore be exempted from marking of the UN number on the packaging and from the requirements for a dangerous

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goods transport document.

IATA**Remarks:**

Limited quantities of dangerous goods for personal or household use, that are packaged and distributed in a form intended or suitable for sale through retail agencies, may furthermore be exempted from marking of the UN number on the packaging and from the requirements for a dangerous goods transport document.

UN "Model Regulation":

UN 1219 ISOPROPANOL (ISOPROPYL ALCOHOL) MIXTURE, 3, II

15 Regulatory Information

- Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- SARA (Superfund Amendments and Reauthorization):**

Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

67-63-0 Isopropyl alcohol

TSCA (Toxic Substances Control Act):

67-63-0 Isopropyl alcohol

ACTIVE

7732-18-5 Water, distilled water, deionized water

ACTIVE

56-81-5 Glycerol

ACTIVE

77-92-9 Citric Acid

ACTIVE

532-32-1 Sodium Benzoate

ACTIVE

24634-61-5 Potassium Sorbate

ACTIVE

Hazardous Air Pollutants

None of the ingredients are listed.

California Proposition 65:**Chemicals known to cause cancer:**

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

New Jersey Right-to-Know List:

67-63-0 Isopropyl alcohol

56-81-5 Glycerol

New Jersey Special Hazardous Substance List:

67-63-0 Isopropyl alcohol

F3

Pennsylvania Right-to-Know List:

67-63-0 Isopropyl alcohol

56-81-5 Glycerol

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Trade Name: Hand Sanitizer Spray

· Pennsylvania Special Hazardous Substance List:	
67-63-0 Isopropyl alcohol	E
· Carcinogenic categories:	
· EPA (Environmental Protection Agency):	
None of the ingredients are listed.	
· TLV (Threshold Limit Value established by ACGIH):	
67-63-0 Isopropyl alcohol	A4
· NIOSH-Ca (National Institute for Occupational Safety and Health):	
None of the ingredients are listed.	
· GHS label elements	
The product is classified and labeled according to the Globally Harmonized System (GHS).	
· Hazard pictograms:	



- **Signal word:** Danger
- **Hazard statements:**
 - H225 Highly flammable liquid and vapor.
 - H320 Causes eye irritation.
- **Precautionary statements:**
 - P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 - P233 Keep container tightly closed.
 - P240 Ground/bond container and receiving equipment.
 - P241 Use explosion-proof electrical/ventilating/lighting/equipment.
 - P242 Use only non-sparking tools.
 - P243 Take precautionary measures against static discharge.
 - P264 Wash thoroughly after handling.
 - P280 Wear eye protection / face protection.
 - P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 - P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337+P313 If eye irritation persists: Get medical advice/attention.
 - P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
 - P403+P235 Store in a well-ventilated place. Keep cool.
 - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· National regulations:	
None of the ingredients are listed.	
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.	

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- **Date of last revision/ revision number:** 03/18/2020 / -

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Trade Name: Hand Sanitizer Spray

Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety & Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Liq. 2: Flammable liquids – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

* Data compared to the previous version altered.

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106



SAFETY DATA SHEET

Section 1: Identification

Product name:	Antibacterial Hand Sanitizer Gel
Product code:	80111
Recommended use:	Hand Sanitizer
Manufacturer:	Private Label Supplements, 1230 NW 5 th St, Oklahoma City, OK 73106
Emergency contact:	Telephone: 405-602-2174 Office Hours: 8:00 AM – 5:00 PM Mon – Fri
24 Hour emergency contact:	American Association of Poison Control Centers 1-800-222-1222

Section 2: Hazard Identification

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS Classification:

Flammable Liquids:	Category 2
Eye Irritation:	Category 2A
Specific Target Organ Toxicity:	Category 3

GHS Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements: Highly flammable liquid and vapor. Causes serious eye irritation.

Precautionary statements:**Prevention:**

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P233 Keep container tightly closed.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Disposal:

P501 Dispose of contents/container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients
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Ingredient	CAS No.	Concentration (% wt)
Isopropyl Alcohol	67-63-0	72-80%

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

Section 4: First-Aid Measures

Inhalation:	Move person to fresh air. Seek medical attention if symptoms persist. If person is not breathing, call 911. If breathing stops, provide artificial respiration.
Eye contact:	Remove contact lenses if wearing. Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Seek medical advice if symptoms persist or develop.
Skin contact:	Wash with soap and water as a precaution. Seek medical attention if irritation develops and persists.
Ingestion:	Seek medical attention if symptoms occur. Do not induce vomiting without advice from poison control center.
General advice:	In the case of accident or if you feel unwell, seek medical advice immediately. If symptoms persist, seek medical attention.

Section 5: Firefighting Measures

Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media:	None known.
Specific hazards during firefighting:	Alcohol flames may not be readily visible. Vapors are heavier than air and may travel to source of ignition and flash back.
Hazardous Combustion Products:	Oxides of carbon.
Advice for firefighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Keep containers cool with water spray.
Further information:	Keep unauthorized personnel away.

Section 6: Accidental Release Measures

Personal precautions:	Wear suitable protective equipment including eye and skin protection. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from upwind of any spills or leaks. Material can create slippery conditions if spilled.
Environmental precautions:	Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated water. Local authorities should be advised if significant spillages cannot be contained.
Methods for cleanup and containment:	Keep unauthorized personnel away. Ensure adequate ventilation. Remove any ignition source. Non-sparking tools should be used. Control the spill at its source. Soak up with inert absorbent material. Contain the spill to prevent from spreading or contaminating soil or entering drainage system or any bodies of water. Place material in a compatible disposal container. Dispose of container and unused contents in accordance with all local, state, and federal regulations.
Notification Procedures:	According to local laws and regulations.

Section 7: Handling and Storage

Usage precautions: Keep away from heat and flame. Ensure good ventilation and local exhaust extraction in work place. Avoid skin or eye contact. Avoid spilling. Wash hands thoroughly after handling. Refer to Section 8 for advice on personal protection equipment.

Storage precautions: Take measures to prevent the build up of electrostatic charge. Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated area. Store in accordance with the particular local, state and federal regulations.

Section 8: Exposure Controls/Personal Protection

Components with workplace control parameters:

Ingredient	CAS No.	OSHA PEL	ACGIH TLV
Isopropyl Alcohol	67-63-0	500 ppm	200 ppm

Engineering Measures: Ensure that eyewash stations and safety showers are close to workstation location. Ensure adequate ventilation.

Personal protective equipment

Eye protection: Use chemical splash-type goggles and a full-face shield for abnormal processing issues.

Hand protection: For hand protection, wear approved gloves made of nitrile, PVC, or neoprene.

Skin and body protection: No special measures necessary provided product is handled correctly.

Respiratory protection: If concentrations in excess of 10 ppm are expected, use NIOSH/DHHS approved self-contained breathing apparatus. DO NOT use any form of air purifying respirator or dust mask, especially those containing oxidizable sorbents such as activated carbon.

Section 9: Physical and Chemical Properties**Appearance**

Physical state:	Liquid
Color:	Clear, Colorless
Odor:	Faint Butyl Odor
Odor Threshold:	No data available

General properties

pH:	6.0-8.0
Melting point:	No data available
Boiling point:	82.3°C
Flash point:	11.7 °C
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits:	No data available
Relative vapor density (specific gravity):	No data available
Solubility in water:	Completely Soluble
Evaporation rate:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Auto-ignition temperature:	No data available
Partition coefficient:	Not applicable

Section 10: Stability and Reactivity

Stability:	Stable under normal conditions.
Conditions to Avoid:	Heat, flames and sparks. Do not mix with strong acids.
Hazardous Decomposition Products:	Oxides of carbon.
Potential Hazardous Reactions:	No data available.

Section 11: Toxicological Information

Routes of entry/exposure: Inhalation, skin, eye, ingestion

Potential health effects

Inhalation: Inhalations of high concentrations of vapor or mist may cause dizziness.

Skin: Health injuries are not known or expected under normal use.

Ingestion: Health injuries are not known or expected under normal use.

Eye: May cause slight irritation.

Chronic Toxicity

Carcinogenicity: Not classified based on available information.

Reproductive Effects: No adverse effect observed.

Specific Target Organ

Toxicity-Single Exposure: Not classified

Specific Target Organ

Toxicity-Repeated

Exposure: Not classified

Section 12: Ecological Information

Ecotoxicological Information:

Chemical Name: Isopropyl Alcohol

Wt %: 72-80%

Partition Coefficient: 0.05

Other Adverse Effects: No further relevant information available.

Section 13: Disposal Considerations

Disposal: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional

Safe Handling: Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

Section 14: Transport Information

DOT transportation information: UN Number: 12919
Proper Shipping Name: Isopropanol
Hazard Class: 3
Packing Group: II
Marine Pollutant: NO

IMDG transportation information: UN Number: 12919
Proper Shipping Name: Isopropanol
Hazard Class: 3
Packing Group: II
Marine Pollutant: NO

IATA transportation information: UN Number: 12919
Proper Shipping Name: Isopropanol
Hazard Class: 3
Packing Group: II
Marine Pollutant: NO

*** Private Label Supplements, LLC verifies that the material was supplied and shipped in the proper packages in accordance with DOT and federal regulations that are applicable to the mode of transportation selected. The shipper must verify that the packaging supplied is acceptable to be re-shipped in per the federal regulations applicable to the mode of transportation for reshipment. Regulations may change depending on mode of transportation selected. ***

Section 15: Regulatory Information

TSCA Status: All chemicals are listed or exempt.

CERCLA (Comprehensive Response Compensation, and Liability Act): None

Sara 313 Reportable Ingredients: None

State Regulations: Isopropyl Alcohol (67-63-0) Right-to-Know acts for Rhode Island, Pennsylvania, Florida, Minnesota, Massachusetts, New Jersey, Tennessee, Connecticut hazardous material survey. Isopropyl alcohol Illinois toxic substances disclosure to employee act.

International Regulations: All components are listed or exempt.

Section 16: Other Information

NFPA: Health: 2; Flammability: 3; Instability: 0

HMIS III: Health: 2, Flammability: 3, Physical Hazard: 0

DISCLAIMER: To the best of Private Label Supplements, LLC knowledge, all information, recommendations, and suggestions appearing herein concerning this product are taken from raw material sources or based upon data believed to be reliable.

Legend:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS No.: Chemical Abstract Service Registry Number

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act (U.S. EPA)

CPR: Controlled Product Regulations (Canada)

DOT: Department of Transportation (U.S.)

EPA: Environmental Protection Agency (U.S.)

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

HEPA: High-Efficiency Particulate Air

HMIS: Hazardous Materials Identification System

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods code

LPP: Limité Permissible Ponderado (Chile)

NIOSH: National Institute of Occupational Safety and Health (U.S.)

NFPA: National Fire Protection Association (US)

NTP: National Toxicology Program (US)

OSHA: Occupational Safety and Health Administration (U.S.)

PEL: Permissible Exposure Limit

SARA: Superfund Amendments and Reauthorization Act (U.S. EPA)

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit (15 minute Time Weighted Average)

STOT: Specific Target Organ Toxicity (GHS Classification)

TLV: Threshold Limit Value

TSCA: Toxic Substances Control Act (U.S.)

TWA: Time Weighted Average (exposure for 8-hour workday)

U.S.: United States

VOC: Volatile Organic Compounds

WHMIS: Canadian Workplace Hazardous Materials Information System

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