



Safety Data Sheet

Simpurity FDA-Compliant Hand Sanitizer

SECTION 1: Identification

1.1 Product identifier

Product name Simpurity FDA-Compliant Hand Sanitizer

1.2 Other means of identification

Not applicable

1.3 Recommended use of the chemical and restrictions on use

Hand Sanitizer

1.4 Supplier's details

Name Simpurity
Address 2950 Janitell Road
Suite #137
Colorado Springs, Colorado, 80906
USA

Telephone 855-400-2266

1.5 Emergency phone number(s)

855-400-2266

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification

- Flammable liquids, Cat. 2
- Eye damage/irritation, Cat. 2A

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H225
H319

Highly flammable liquid and vapor
Causes serious eye irritation

Precautionary statement(s)

P210

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

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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 hands thoroughly after handling.
P280	Wear eye protection/face protection/protective gloves.
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.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with applicable Federal, State and local laws and regulations

2.3 Hazards not otherwise classified

No data available

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Hazardous components

Component	Concentration
Ethanol (CAS no.: 64-17-5; EC no.: 200-578-6) CLASSIFICATIONS: Flammable liquids, Cat. 2; Serious eye damage/eye irritation, Cat. 2.	72 % (weight)
Isopropanol (CAS no.: 67-63-0; EC no.: 414-810-0) CLASSIFICATIONS: Flammable liquids, Cat. 2; Eye damage/irritation, Cat. 2A; Specific target organ toxicity (single exposure), Cat. 3.	4 % (weight)

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If symptoms persist, get medical attention.
In case of skin contact	Not normally required. Wash with plenty of water as a precaution. Call a poison center or doctor if irritation develops or persists.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical attention.
If swallowed	If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a poison center or doctor.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically and supportively.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Highly flammable liquid and vapor. Beware of vapors accumulating to form explosive concentrations. Container explosion may occur under fire conditions. Hazardous combustion products: Carbon oxides and other hazardous fumes and gases.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Eliminate all sources of ignition. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Use only non-sparking tools. Keep away from sources of ignition. No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ethanol (CAS no.: 64-17-5)

PEL-TWA: 1000 ppm (1900 mg/m³) (OSHA)
REL-TWA: 1000 ppm (1900 mg/m³) (NIOSH)
TLV-STEL: 1000 ppm (ACGIH)
PEL-TWA: 1000 ppm (1900 mg/m³) (Cal/OSHA)

Isopropanol (CAS no.: 67-63-0)

PEL-TWA: 400 ppm (980 mg/m³) (OSHA)
REL-TWA: 400 ppm (980 mg/m³) (NIOSH)
REL-STEL: 500 ppm (1225 mg/m³) (NIOSH)
TLV-TWA: 200 ppm (ACGIH)
TLV-STEL: 400 ppm (ACGIH)
PEL-TWA: 400 ppm (980 mg/m³) (Cal/OSHA)
PEL-STEL: 500 ppm (1225 mg/m³) (Cal/OSHA)

Glycerol (CAS no.: 56-81-5)

PEL-TWA: 15 mg/m³ (total dust), 5 mg/m³ (respirable) (OSHA)
PEL-TWA: 10 mg/m³ (total dust), 5 mg/m³ (respirable fraction) (Cal/OSHA)

8.2 Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses are recommended if eye exposure risk exists during product handling/processing.

Skin protection

Not normally required. Protective gloves, such as nitrile gloves, are recommended in case of prolonged/repeated exposure during product handling/processing.

Body protection

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Not normally required. If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator with organic vapor/acid gas cartridge and particulate filter, or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

Thermal hazards

No data available.

Environmental exposure controls

Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)

Clear liquid

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Odor	Ethanol odor
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	20°C - estimated
Evaporation rate	No data available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Keep away from direct sunlight, heat and sources of ignition.

10.5 Incompatible materials

Strong oxidizing agents, acids and bases.

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Based on available data, classification data are not met

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation.

Components:

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Ethanol (CAS no.: 64-17-5)
LD50 (oral) – rat - 7060 mg/kg
LD50 (skin) – rabbit – 20000 mg/kg
LC50 (inhalation) – rat – 20000 ppm/10H

Isopropanol (CAS no.: 67-63-0)
LD50 (oral) – rat - 5045 mg/kg
LD50 (skin) – rabbit – 12800 mg/kg
LC50 (inhalation) – rat – 16000 ppm/8H

Skin corrosion/irritation

Based on available data, classification data are not met

Serious eye damage/irritation

Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Respiratory or skin sensitization

Based on available data, classification data are not met

Germ cell mutagenicity

Based on available data, classification data are not met

Carcinogenicity

Based on available data, classification data are not met

IARC: Based on available data, no component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

NTP: Based on available data, no component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: Based on available data, no component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

Based on available data, classification data are not met

STOT-single exposure

Based on available data, classification data are not met

STOT-repeated exposure

Based on available data, classification data are not met

Aspiration hazard

Based on available data, classification data are not met

SECTION 12: Ecological information

Toxicity

No data available on product

Persistence and degradability

No data available on product

Bioaccumulative potential

No data available on product

Mobility in soil

No data available on product.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available on product.

SECTION 13: Disposal considerations

Disposal of the product

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Disposal of contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

UN Number: 1170

Class: 3

Packing Group: II

Proper Shipping Name: Ethanol solutions

IMDG

UN Number: 1170

Class: 3

Packing Group: II

Proper Shipping Name: Ethanol solutions

IATA

UN Number: 1170

Class: 3

Packing Group: II

Proper Shipping Name: Ethanol solutions

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

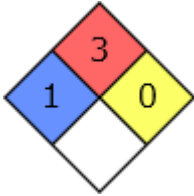
HMIS Rating

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Simpurity FDA-Compliant Hand Sanitizer	
HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

Date of issue: March 27, 2020.

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. All materials may present unknown hazards and should be used with caution. In no event shall we be held liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if we have been advised of the possibility of such damages.