

MATERIAL SAFETY DATA SHEET	
Alcohol based hand sanitizer at 80% abv	
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SECTION 1. Product and Company Identification

1.1 Product Identifier

Product code: Ethanol base hand sanitizer (Material code 3029447)

1.2 Relevant identified uses of the product

Alcohol based hand sanitizer: Intended for topical use (human skin only)

1.3 Details of the supplier of the safety data sheet

Company:

Telephone:

Fax:

SECTION 2. Hazards Identification

2.1 Classification

Classification (EC 200-578-6)

Flammable liquids, Category 4
Eye irritation, Category 2B

H225: Highly Flammable liquid and vapour.
H319: Causes serious eye irritation.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms:



Signal word:

Danger

Precautionary statements

Prevention

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.

Response

P305 + P351 + P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present. Continue rinsing.

P370 + P378: In case of fire: Use powder, alcohol-resistant foam or carbon dioxide for extinction.

Storage

P403 + P235: Store in a well-ventilated place. Keep cool.

Disposal

P501: Dispose of contents / container to an approved waste disposal plant in accordance with local / regional regulations.

SECTION 3. Composition/information on ingredients

Ingredient name	CAS-No.	EC-No	%v/v
Ethanol	64-17-5	200-578-6	76-84
Glycerine	56-81-5	200-289-5	1.40
Methanol	67-56-1	200-659-6	0.02
Water	7732-18-5	231-791-2	Balance

SECTION 4. First aid measures**4.1 Description of first aid measures**

General advice:

Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled:

Move casualty to fresh air and keep at rest.
If breathing is difficult, give oxygen.
If not breathing, give artificial respiration.
Get medical attention.

In case of skin contact:

If on skin, rinse well with water. Remove affected clothing.

In case of eye contact:

Immediately flush eye(s) with plenty of water.
Get medical attention.

If swallowed:

Do not induce vomiting!
Never give anything by mouth to an unconscious person.
If conscious, wash out mouth with water.
Get medical attention.

SECTION 5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Dry chemical
Alcohol-resistant foam
Carbon dioxide (CO₂)
Water spray

5.2 Special hazards arising from the chemical

Specific hazards during fire fighting:

Emits toxic fumes (carbon oxides) under fire conditions.
Vapours can travel to a source of ignition and flash back.
Containers may explode in a fire.
Cool containers from a distance using water spray.
Sensitive to static discharge.

5.3 Advise for firefighters

Special protective equipment for firefighters:

Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
Material can react violently with water (spattering and misting) and react with metals to produce flammable hydrogen gas.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:

Use personal protective equipment.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

Environmental precautions:

Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up:

Contain spillage, and then collect with non-combustible absorbent materials (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:

Use with adequate ventilation and grounding.
Wash thoroughly after using.
Keep container closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:

No smoking.
Keep containers tightly closed in a cool and well-ventilated place.

Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. Exposure controls/personal protection

8.1 Occupational exposure controls

Ventilation and appropriate grounding of containers.

Component	Exposure limits	Basis	Entity
Ethyl alcohol	1000 ppm 1900 mg/m ³	Recommended Exposure Limit	NIOSH
	1000 ppm 1900 mg/m ³	Permissible Exposure Limit	OSHA
	1000 ppm 1800 mg/m ³	Short Term Exposure Limit	ACGIH

8.2 Exposure controls

Personal protective equipment

Eye protection:

Tightly fitting safety goggles.

Skin:

Nitrile or rubber gloves, apron or lab coat.

Inhalation:

Provide local exhaust, preferably mechanical.

If exposure levels are excessive, use an approved respirator.

Environmental exposure controls

General advice:

Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Clear liquid (water like in appearance)

Odour:

Alcoholic in nature could be perceived as slightly sweet

Flash point:

12 - 17°C

Vapour pressure:

59 mm Hg at 20°C

Solubility:

Miscible with water

SECTION 10. Stability and reactivity

10.1 Reactivity

None

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions:

Will not occur.

10.4 Conditions to avoid

Conditions to avoid:

Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid: Alkali metals, ammonia, oxidizing agents, peroxides

10.6 Hazardous decomposition products

Hazardous decomposition products: Carbon oxides

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity (ethanol): LD₅₀ rat: 7,060 mg/kg; literature value

Acute inhalation toxicity (ethanol): LC₅₀ rat: 66,000 mg/L; literature value; 4h

Acute dermal toxicity (ethanol): LDLo rabbit: 20,000mg/kg; literature value

Skin and eye contact: Redness, pain

SECTION 12. Ecological information

Aquatic toxicity – fish: In high concentration it harms fish and plankton; LC₅₀ (fish, 96 hours) – 15.3mg/L

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Waste product or residues: Dispose of in accordance with local regulations.

Product containers: Dispose of in accordance with local regulations.

SECTION 14. Transport information

UN No : 1170

ADR/RID class : 3

ADR/RID Item No : 3b

ADR/RID hazard identity No : 3

IMDG shipping name : Ethanol

IMDG class : 3

IMDG packaging group : II

IMDG marine pollutant : No

IMDG EMS No : F-E, S-D

IMDG – MFAG table No : 3074

IATA shipping name : Ethanol Solutions

IATA class : 3

IATA subsidiary risk(s) : Flammable liquid

SECTION 15. Regulatory information

EEC hazard classification 200-578-6

Risk Phases	R11
Safety Phases	S2, S7, S9, S16, S33
National Legislation	Hazardous Substances Act 15 of 1973 and Regulations Occupational Health and Safety Act 85 of 1993 (Hazardous Chemical Substances Regulations)
International Legislation	IATA Dangerous Goods Regulation (DGR) 59 th Edition 2018 IMDG Code, International Maritime Dangerous Goods Code, 2008 Edition, Volume 1 & 2

SECTION 16. Other information

DISCLAIMER OF LIABILITY: The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The user must determine the suitability of the information for its particular purpose, ensure compliance with existing laws and regulations, and be aware that other or additional safety or performance considerations may arise when using, handling and/ or storing the material. The information in this safety data sheet does not purport to be all inclusive or a guarantee as to the properties of the material supplied, and should be used only as a guide for safe handling, use, processing, storage, transportation, disposal and release. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.