

SAFETY DATA SHEET

Alcohol Towelette 75% Ethyl Alcohol (Ethanol)

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

Date issued 15.04.2020

1.1. Product identifier

Product name Alcohol Towelette with 75% Ethyl Alcohol (Ethanol)
 Name of Chemical Used Ethyl alcohol
 CAS no. 64-17-5

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation Disinfectant. Antiseptic.

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Hazard Classification Class 3, Flammable Liquid
 Classification according to 67/548/EEC or 1999/45/EC F; R11
 Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] Flam. Liq. 2; H225;

2.2. Label elements

Hazard Pictograms (CLP)

*Hazard pictograms (GHS US)



Hazard statements Flammable

Precautionary statements Keep away from fire or flame
 IF ON SKIN (or hair): Remove immediately. Rinse skin with water/shower.
 In case of fire: Use for extinction.
 Store in a well-ventilated place. Keep cool.

2.3. Other hazards

Other hazards Not known.

SECTION 3: Composition/information on ingredients**3.1. Substances**

Substance	Identification	Classification	Contents
Ethyl Alcohol	CAS no.: 64-17-5 Synonyms: Ethanol	Flam. Liq. 2	75%

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

Inhalation	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothes and rinse skin thoroughly with water.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.
Ingestion	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Do not induce vomiting. Rinse mouth with water. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Information for health personnel	Treat Symptomatically. Do not give victim anything to drink if he is unconscious.
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4.3. Indication of any immediate medical attention and special treatment needed

Specific details on antidotes	No recommendation given.
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	HIGHLY FLAMMABLE! Solvent vapours may form explosive mixtures with air.
Hazardous combustion products	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO ₂).

5.3. Advice for firefighters

Fire fighting procedures	No specific fire fighting procedure given.
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SECTION 8: Exposure controls/personal protection

8.1. Exposure controls

Occupational exposure limits

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapours. Protective gloves and goggles are recommended. Provide eyewash, quick drench.

Safety signs



Respiratory protection

Respiratory protection

Respiratory protection must be used if air contamination exceeds acceptable level. Use respiratory equipment with gas filter, type A2.

Hand protection

Hand protection

Use protective gloves. Chemical resistant gloves required for prolonged or repeated contact. Gloves of nitrile rubber, PVA or Viton are recommended.

Eye / face protection

Eye protection

Use safety goggles or face shield in case of splash risk.

Skin protection

Skin protection (except hands)

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene / Environmental

Specific hygiene measures Wash hands after contact.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Colour	Colourless.
Odour	Odour of alcohol.
Comments, pH (as supplied)	Not applicable.
Melting point/melting range	Value: -115 °C
Boiling point / boiling range	Value: 78 °C
Flash point	Value: 12 °C
Explosion limit	Value: 3,5-15 %
Vapour pressure	Value: 5,9 kPa Test temperature: 20 °C
Vapour density	Value: 1,6
Specific gravity	Value: 789 kg/m3 Test temperature: 20 °C
Solubility description	Completely soluble in water. Soluble in: Organic solvents.
Partition coefficient: n-octanol/water	Value: -0,32
Spontaneous combustability	Value: 425 °C
Viscosity	Value: 1,2 mPas Test temperature: 20 °C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Heating may cause a fire.

10.2. Chemical stability

Stability Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not known.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates). Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

Other toxicological data	Acute Toxicity (Oral LD50): mg/kg (oral rat) 7060
	Acute Toxicity (Inhalation LC50): mg/l (vapours) (4h) 124,7
	Acute Toxicity (Dermal LD50): mg/kg (ipr-rat) > 20 000

Potential acute effects

Inhalation	In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.
Skin contact	Prolonged or frequent contact may cause redness, itching, eczema and skin cracking. Defats the skin.
Eye contact	Causes serious eye irritation.
Ingestion	Ingestion of large amounts may cause unconsciousness. However, ingestion may cause nausea, headache, dizziness and intoxication. Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea. May cause irritation to the mouth and throat.

Delayed effects / repeated exposure

Sensitization	Not known.
Chronic effects	None known.

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity	None.
Mutagenicity	Not known.
Teratogenic properties	Not known.
Reproductive toxicity	Not known.

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic, fish	Value: 13500 mg/l Method of testing: LC50 Fish, species: Pimephales promelas Duration: 96h
Acute aquatic, algae	Value: 5000 mg/l Method of testing: IC50 Algae, species: Scenedesmus subspicatus Duration: 7d
Acute aquatic, Daphnia	Value: 5400 mg/l Method of testing: EC50 Daphnia, species: D. magna Duration: 72h

12.2. Persistence and degradability

Chemical oxygen demand (COD)	Value: 0,4-0,8 Method of testing: COD
Biological oxygen demand (BOD)	Value: 0,4-0,8 Method of testing: BOD

12.3. Bioaccumulative potential

Bioaccumulative potential	Will not bio-accumulate.
Bioconcentration factor (BCF)	Value: 0,66 Method of testing: BCF

12.4. Mobility in soil

Mobility	The product is water soluble and may spread in water systems.
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SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Specify the appropriate methods of disposal	Confirm disposal procedures with environmental engineer and local regulations. Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point. Liquid components can be disposed of by incineration.
Product classified as hazardous waste	Yes
Packaging classified as hazardous waste	No

SECTION 14: Transport information***International Regulation****UNRTDG**

* UN number	: UN 3175
* Proper shipping name	: Solids containing flammable liquid, n.o.s. (Ethanol)
Class	: 4.1
Packing group	: II

SECTION 15: Regulatory information*

Authored with regard to:

- "Classifications and Mark for commonly used dangerous chemicals" (GB13690-1992)
- "General rules for preparation of a Chemical Safety Data Sheet" (GB16483-2000)
- "The principle of classification of transport packaging groups of dangerous goods" (GB/T15098-94)
- "Classification and code of dangerous goods" (GB6944-2005)

SECTION 16: Other information

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* Indicates information that has changed from previously issued version.

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