

SAFETY DATA SHEET

Version No.: 1.0
Date of issue: 2024.10.14.
Date of supervision: 2024.10.14.

1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY
1.1. Identification of product

Product No.: 47747
Product name:
Reach registration number: The product is composition (mixture), so not refer to REACH registration.

1.2. Relevant identified field of application and uses advised against.

Identified uses: Hand disinfection
Uses advised against: There is no usage advised against.

1.3. Supplier's data

Company name: MOLAR CHEMICALS LTD.
Company address: 2314 Halásztelek, Árpád utca 1. HUNGARY Tel.: +36-24 527-100 Fax: +36-24 527-127
e-mail: molar@molar.hu, web: www.molar.hu
Email adress of Responsible department: reach@molar.hu

1.4. Emergency telephone number

Hungarian Healthcare Toxicology Health Toxicological Information Service H-1096 Budapest, Nagyvárad tér 2. HUNGARY
Information Center Tel (toll free): +36-80-201-199 Fax: +36-1-476-1138 e-mail: ettsz@okbi.antsz.hu

2. HAZARDS IDENTIFICATION
2.1. Classification of substance or mixture

Classification acc. to 1272/2008/EU: Flam. Liq. 2.; H225 - Flammable liquid, Category 2
STOT SE 3.; H335 - Specific target organ toxicity - single exposition, Category 3

2.2. Label elements
Labeling acc. to 1272/2008/EU:

Hazard statements H225 - Highly flammable liquid and vapour.
H335 - May cause respiratory irritation.
Warning: DANGER
Precautionary statements P210 - Keep away from heat/sparks/open flames/hot surfaces. ☐ No smoking.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

Hazard symbols, pictograms:


2.3. Other hazards

Not known.

Results of PBT and vPvB assessment:

PBT/vPvB tests was not performed because there is no need to make chemical safety examinations.

The total text of H phrases see in 16 th. section.

3. COMPOSITION/INFORMATION ON INGREDIENTS
3.1. Substances

%	Material name:	CAS No.:	EU No.:	EU index No.:	1272/2008:
75-80%	ETHANOL	64-17-5	200-578-6	603-002-00-5	Flam. Liq. 2.; H225
3-6%	ISOPROPYL ALCOHOL	67-63-0	200-661-7	603-117-00-0	Flam. Liq. 2.; H225 Eye Irrit. 2.; H319 STOT SE 3.; H336

The composition is given only for the evaluation of dangerous properties of the product. Only that components are given which has health or environmental risk and exceed the concentration limit according to legislations.

The total text of H phrases see in 16 th. section.

4. FIRST AID MEASURES

4.1. Description of first aid measures

General instructions:	Medical attention in case of accident or sickness. Do not allow the victim to cool off!
After inhalation:	The casualty must be taken to fresh air. In case of sickness, a doctor must be called.
After skin contact:	There is no need for special measures.
After eye contact:	Rinse with plenty of water for at least 10 minutes, open the eyelids wide.
After if swallowed:	Drink plenty of water, and induce vomiting. In case of sickness, a doctor must be called.
Personal protective equipment for first aid providers:	Informations on protection equipments see 8th. section.

4.2. The most important - acute and delayed - symptoms and effects.

Acute symptoms and effects:	Irritating to respiratory system.
Prolonged effects:	It can also affect the respiratory tract, headache, and tiredness may occur.

4.3. Indication of immediate medical attention and special treatment needed

Directions for medical treatment:	If swallowed: gastric lavage (aspiration hazard exists, therefore the unconscious injured without intubation, gastric lavage is prohibited). Symptomatic treatment, Naloxone is recommended.
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5. FIREFIGHTING MEASURES

General description:	Flammable liquid
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5.1. Extinguishing media

Suitable extinguishing media	water, carbon dioxide, foam, extinguishing powder
Unsuitable extinguishing media	There is no limitation.

5.2. Special hazards arising from the substance or mixture

Special hazards	Flammable, its vapour is heavier than air. At room-temperature it makes explosive mixture with air, it must be kept away from spark. In case of fire, it makes dangerous, flammable gases or vapour.
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5.3. Advice for fire-fighters

Personal protective equipment for fire fighting:	Do not stay in the dangerous zone without fresh-air-respirator.
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6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautionary:	The vapour/aerosol should not be inhaled. In the room fresh air must be provided.
Advice for emergency responders:	Informations on protection equipments see 8th. section.

6.2. Environmental precautions

Other informations:	It is forbidden to let into the sewer. Prevent entry to sewers, watercourses or ground outlets.
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6.3. Methods and materials for decontamination and cleaning up

Procedures for cleaning up/absorption:	The accidentally poured liquid must be soaked up by not flammable absorbing material (eg. Sand, perlite, vermiculit, Chemisorb®), then picked up and removed.
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6.4. Reference to other sections

Reference to other sections:	Indications about waste treatment see section 13 section.
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7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Prescriptions for handling:	You can work in a well-aired room, in protective accessories. The protective accessory must be chosen according to the technology.
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7.2. Conditions for safe storage including incompatibilities

Prescriptions for storage:	Keep in a properly closed vessel, in dry circumstances, away from light, spark and heat.
Storage temperature [°C]:	max. 30
Do not store with:	Oxidizing materials

7.3. Specific end uses

Specific end uses:	There is no special usage besides mentioned in 1.2 point.
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8. EXPOSURE CONTROL/PERSONAL PROTECTION
8.1. Control parameters

Allowed average concentration at workplace (AC) [mg/m ³]	1900 (etanol)
Allowed peak concentration at workplace (PC) [mg/m ³]:	3800 (etanol)
Biologic exposition [mg/g creatinin]:	No data
Legal background:	5/2020. (II. 6.) ITM hungarian legislation.

8.2. Exposure controls

Engineering measures:	A safe working technical support measures take precedence over the use of personal protective equipment.
Eye protection:	Avoid the material get into the eyes. In case of large quantities protective glasses are advisable.
Hand protection:	Not necessary.
Respiratory protection:	In case of developing vapour or aerosol, it is necessary to use sufficient ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES
9.1. Information on basic physical and chemical properties

Description:	colourless liquid
Odour:	alcohol-like odour
Odour limit:	Not known.
Melting point/freezing point [°C]:	No data
Boiling point [°C]:	Not known
Temperature of decomposition [°C]:	Not known.
Density (d ₄ ²⁰) [g/cm ³]:	0,82-0,85
pH:	No data
Viscosity [mPa.s]:	No data
Relative vapour density (air=1):	No information
Solubility in water:	miscible with water without limitation
Partition coefficient n-octanol/water log P(o/w):	No information
Flash point [°C]:	21
Vapour pressure (at 20 °C) [hPa]:	No information
Ignition temperature [°C]:	No information
Explosion limits (v/v %):	No information
Relative evaporation rate (ButAc=1):	Not applicable
Fire hazard:	Flammable.
Explosion hazard:	Not explosive material.
Oxidising properties:	Non oxidizing material

9.2. Other information

State:	Liquid.
No information.	

10. STABILITY AND REACTIVITY

10.1. Reactivity:	If proper management of hazardous reactions are not expected.
10.2. Chemical stability:	In normal circumstances, the material is stable.
10.3. Possibility of hazardous reactions:	None under normal conditions
10.4. Conditions to avoid:	Strong heat-effect.
10.5. Incompatible materials:	Keep away from oxidants.
10.6. Hazardous decomposition products:	Dangerous product of disintegration is not known.

11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

General descriptions:	If swallowed bigger amount: nausea, vomiting. After absorption: dizziness, intoxication, stupefaction, breathing paralysis.
Acute toxicity data:	LD50 (oral, rat): 7728 mg/kg; LC50 (inhal., rat): 114 mg/l (calculated)
Acute oral toxicity:	Ingestion is not considered a potential route of exposure.
Acute dermal toxicity:	No irritant effect.
Acute inhalation toxicity:	Cause respiratory irritation.
Skin corrosion/irritation:	There is no irritating effect.
Eye damage/irritation:	Getting to eye it causes slight irritative symptoms.
Sensitisation to respiratory system or skin:	Not known.
Genotoxicity:	No information.
Carcinogenicity:	Not known
Reproductive toxicity:	Not known
Specific target organ toxicity - single exposure:	May cause respiratory irritation.
Specific target organ toxicity - repeated exposure:	The mixture does not contain component classified as specific target organ toxic substance. (repeated exposure)
Aspiratory effect:	Inhaling its vapour, mycderma irritation is possible.

11.2. Information on other hazards
12. ECOLOGICAL INFORMATION

General description:	Its effect on the environment and aquatic organisms is unknown.
Chemical oxygen demand COD [mg/g O ₂]:	1,99-2,11 g/g (EtOH)

12.1. Ecotoxicity data:

Toxicity to fish:	LC50: 1293 mg/l
Toxicity to daphnia and other aquatic invertebrates:	EC50: 72,6 mg/l
Toxicity to algae:	IC50: 512,7 mg/l
Toxicity to bacteria:	EC50: 5854 mg/l

12.2. Persistence and degradability:

No information

12.3. Bioaccumulative potential:

Bioaccumulation is not predictable (log P o/v) < 1

12.4. Mobility in soil:

No information.

12.5. Results of PBT and vPvB assessment:

PBT/vPvB tests were not performed because there is no need to make chemical safety examinations.

12.6. Endocrine disrupting properties

No information

12.7. Additional adverse effects:

No information

13. DISPOSAL CONSIDERATIONS

Prescriptions for product:	The remaining of the material is dangerous waste.
Prescriptions for packaging:	The polluted packing material must be treated as the product.

13.1. Waste disposal methods:

Waste disposal prescriptions:	Disposal must happen according to the 2008/98/EK legislation, by the help of professional organisation.
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14. TRANSPORT INFORMATION

14.1. UN-number or ID-number:	1993
14.2. Correct transport nomination acc. to UN:	FLAMMABLE LIQUID, N.O.S. (ETHANOL SOLUTION)
14.3. Dangerous transport symbols:	

Road and rail transport classification (RID/ADR):	3
14.4. Packing category:	II
14.5. Environmental dangers:	Not dangerous to environment acc. to RID/ADR
14.6. Special precautions for the user:	Not known.
14.7. Maritime transport in bulk according to IMO instruments:	Not applicable.

15. REGULATORY INFORMATION

15.1. Related regulations/legislation:

Accordance with Regulations 1907/2006, 830/2015 and 2020/878/EU.

Quantity limits acc. to 2012/18/EC legislation (SEVESO)

lower limit [to/year]: 5000

upper limit [to/year]: 50000

as category 7b.*

The quantity limit is valid for the summarised quantities of substances belonging to the categorie.

15.2. Chemical safety evaluation There is no chemical safety evaluation till this time.

16. OTHER INFORMATION

H phrases mentioned in chapter 2. and 3.

R36/37/38	Irritating to eyes, respiratory system and skin.
R50	Very toxic to aquatic organisms.
H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
The MSDS is changed sections:	8.,

WARNING:

Informations given based on our best and latest knowledge and valid for the product itself. The SDS characterize the material only from chemical safety aspects and not replaces the product specification. To keep the valid rules, orders and precautions is the task of the enduser. In the case of special usage the enduser have to evaluate all risk and have to establish the right safety requirements according to the 98/24/EC guideline.

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