

HAND DISINFECTANT MANUFACTURED ACCORDING TO XXXXXXXXXX
XX

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product identifier

Mixture trade name:

XX
XX

Purpose:

For hand disinfection.

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

1.2.1. For cleaning of different surfaces

1.3. Details of the Supplier of the Safety Data Sheet

Manufacturer:

XX
XX
XX
XX
E-mail: XX

Secured electronic signature of
the person responsible for
preparation of the Safety Data
Sheet

1.4. Emergency telephone number:

Emergency telephone number, 24/7:
Website:
Common emergency telephone:

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Classification according to the Regulation (EC) No. 1272/2008

Flam Liq.2 H225

2.2 Label elements

Labelling according to the Regulation (EC) No. 1272/2008

Ethanol CAS: 64-17-5, Hydrogen peroxide CAS No. 7722-84-1

Signal word: Hazardous

Hazard pictograms:



GHS02

Hazard statements:

H225 Highly flammable liquid and vapor

Precautionary statements:

P102 Keep out of reach of children.

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.

P233 Keep container tightly closed.

P403+P235 Store in a dry place. Keep cool.

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

P501 Dispose of contents/container in accordance with legal acts.

2.3 Other hazards: none known

SECTION 3. COMPOSITION OR INFORMATION ON INGREDIENTS

Empirical (Molecular Formula): -

Molecular weight:-

Hazardous components

CAS No.	EC No.	Chemical name	Weight content %	Classification according to the requirements of the Regulation (EC) No. 1272/2008
64-17-5	200-578-6	Ethanol	80	Flam Liq 2 H225
7722-84-1	231-765-0	Hydrogen peroxide	<1	Ox. Liq. 1 / H271 Acute Tox. 4 / H302 Acute Tox. 4 / H332 Skin Corr. 1A / H314 Eye Dam. 1 / H318 STOT SE 3 / H335 Aquatic Chronic 3 / H412

Additional information: See Section 16 for the content of risk statements.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General information: remove contaminated clothing before reuse / use with appropriate detergent. Personal protective equipment must be used when rendering the first aid to injured persons.

If inhaled: fresh air, rest. If unconscious, place the person in a comfortable position and immediately call an ambulance. Allow fresh air to enter. Loosen the tie, belt and/or collar.

If on skin: Remove contaminated clothing and shoes. In case of contact, immediately flush skin with plenty of water. Seek medical assistance if irritation persists. Wash clothing and shoes before reuse.

If in eyes: Get medical assistance immediately. Call a poison control and information office or doctor. Also, rinse eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for contact lenses; if any, remove them. Rinse for at least 10 minutes.

If swallowed: Do not induce vomiting unless directed to do so by medical personnel. In case of vomiting, the head should be held in such a way as to prevent the mass that has been thrown out from reaching the lungs. Never give anything by mouth to an unconscious person. If the intoxicated person is unconscious, lie down and seek immediate help. Ensure an open-air path. Relieve tight clothing such as a collar, tie, belt or waist.

4.2. Most important symptoms and effects (both acute and delayed)

If inhaled: may cause respiratory tract irritation. Inhalation of high concentrations of vapor may cause symptoms such as headache, nausea and vomiting.

Of on skin: signs of dermatitis: burning sensation and / or dry skin.

If in eyes: irritation of eyes.

If swallowed: may cause gastrointestinal upset, nausea, vomiting, diarrhea.

4.3 Indication of immediate medical assistance and special medical treatment needed

In all cases of doubt, or when symptoms persist, seek medical assistance. Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media: alcohol resistant foam, water spray, dry chemicals, CO₂.

5.2 Special hazards arising from the substance or mixture

Highly flammable liquid. Vapors may form explosive mixtures with air.

Evacuate people not involved in emergency response. Vapors are heavier than air and may travel along the ground; they may spread further from the source of the fire and catch fire.

Possible decomposition products are carbon oxides.

5.3 Advice for fire-fighters

In case of fire, immediately isolate the scene and remove all persons. Separate all sources of ignition. Remove containers from fire area if this can be done without risk to persons. Cool containers exposed to fire with water spray. Collect contaminated extinguishing water separately. Do not empty into drainage system. Residues remaining after a fire and contaminated extinguishing water must be disposed of in accordance with local requirements. Fire-fighters should wear fire-fighting suit including, in the danger area, heat-resistant suit and self-contained breathing apparatus. Firefighter clothing (including helmets, safety boots and gloves) that conforms to European standard EN 469 will provide basic protection in the event of a chemical emergency.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Evacuate people who are not involved in the emergency liquidation, avoiding contact with spilled product. Do not breathe vapor / spray. Avoid contact with skin, eyes and clothing. For personal protection see Section 8. Eliminate all sources of ignition; interrupt any work that may result in sparks. All equipment and facilities must be earthed.

For emergency responders: Only qualified personnel with appropriate personal protective equipment may provide assistance.

6.2 Environmental precautions

Do not allow to enter drainage systems, water bodies, soil and ground water.

6.3 Methods and material for containment and cleaning up

Prevent further spillage. If this is not possible, prevent further spreading and collect spillage using non-combustible absorbent material (for example, sand, silica gel, universal binder), place in special containers and dispose of according to local requirements. Waste is handed over to a licensed waste management company. Do not use flammable materials such as sawdust. The product is water soluble. If the product enters water, inform the appropriate authorities immediately.

6.4 Reference to other sections

See Sections 8 and 13 for information on emergency contact, exposure controls, personal protective equipment and waste disposal.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Use personal protective equipment listed in Section 8. Comply with applicable health and safety legislation.

7.1.2 Advice on general occupational hygiene: Do not eat, smoke or drink during use. Wash hands before breaks and after handling the product. Avoid contact with skin and eyes. Do not breathe, swallow or drink.

7.1.3. Handling: Avoid contact with eyes. Do not breathe vapor / spray. Keep and work away from sparks and sources of ignition. Take measures to avoid electrostatic charges. Use only in well-ventilated areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool place. Protect from direct sunlight. Store the product only in the original container.

7.3 Specific end use (s)

See Section 1.2.

SECTION 8. EXPOSURE CONTROL (PERSONAL PROTECTION)

8.1 Control parameters

HN 23:2011 "Occupational Exposure Limits for Chemical Substances - General Requirements for Measurement and Impact Assessment".

Chemical substance	Limit value			*Comments
	Limit value - long-term	Limit value - short-term	Limit value not to be exceeded (NRD)	

		exposure (IPRD)		exposure (TPRD)				
Name	CAS No	mg/m3	ppm	mg/m3	ppm	mg/m3	ppm	
Ethanol	64-17-5	1000	-	1900	-	-	-	Ü
Hydrogen peroxide	7722-84-1	1.4	1	-	-	3	2	Ü

8.2 Exposure controls

Technical measures: supply and exhaust ventilation. Respiratory protection: none. Hand and skin protection: rubber or PVC gloves.

Eye protection: Avoid contact with eyes. Other skin protection: work clothing, footwear.

Personal hygiene measures: Do not eat, drink or smoke when working. Wash face and hands with soap and water after work.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Odour - alcohol

Hydrogen ion pH (pH) of 1% aqueous solution: 6.5-7.5

Boiling point, °C or boiling range:

Flammability: Flammable

Auto-ignition temperature: unknown

Explosion limits: Lower, % by volume: unknown; Upper, % by volume: unknown

Oxidising properties: unknown

Freezing / melting point, °C: unknown

Vapour pressure, kPa: unknown

Specific mass, density g / cm³: 0.85-0.86

Solubility in water: t

Partition coefficient (n-octanol / water): Not determined

Viscosity: unknown; Vapour density: unknown; Evaporation rate: unknown

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Hazardous reactions are not anticipated according to chemical storage instructions.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Under the recommended conditions, no dangerous reactions which may increase the pressure or temperature are anticipated.

10.4. Conditions to avoid

Open flame, heat, direct sunlight, electrostatic loads.

10.5. Incompatible materials

Avoid direct contact with flammable materials.

10.6. Hazardous decomposition products

Carbon dioxide, carbon monoxide and other organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity to test animals:

According to ethanol: LD₅₀ 6200 mg / kg (rat), Dermal LD₅₀> 20000 mg / kg (rabbit), Inhalation LD₅₀> 8000 mg / m³ 0.5 h (rat) Chronic effects in test animals, distribution: not determined

Based on hydrogen peroxide Ingestion LD₅₀> 1026 mg / kg (rat), Dermal LD₅₀> 20000 mg / kg (rat), Inhalation LD₅₀> 170mg / m³ 0.5h (rat).

Effect on people:

Carcinogenicity: Not classified as a carcinogen.

Mutagenicity: not mutagenic.

Reproductive toxicity: not toxic for reproduction.

SECTION 12. ECOLOGICAL INFORMATION

Ecological toxicity (Toxicity to aquatic, soil, other animals and plants): Hydrogen peroxide: fish LC 50 16.4 mg / l (24 h), Algae NEOC: 0.63 mg / l, aquatic micro-organism EC 50 466 mg / l.

Persistence and degradability: Environmentally mobile. It is completely biodegradable in the aquatic environment. The half-life in alcohol is about 6 days.

Biological accumulative potential: Does not biologically accumulate.

Mobility in soil: No data available.

Results of PBT and vPvB assessment

The product is not classified as persistent, biologically accumulative and toxic (PBT). The product is not classified as very persistent and very biologically accumulative (vPvB).

Other adverse effects.

SECTION 13. WASTE DISPOSAL

13.1 Waste management methods

Waste must be disposed of in accordance with the Law on Waste Management, and packaging waste must be disposed of in accordance with the Law on Packaging and Packaging Waste. Waste code: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, its solutions or other forms of waste must comply at all times with the requirements of nature protection and waste disposal legislation of any local authority. Dispose of waste and non-recyclable products under contract with a licensed waste disposal contractor. Untreated waste cannot be disposed of with wastewater unless it fully meets the requirements of all public authorities. Packaging waste should be recycled. Incineration or landfill should only be considered when recycling is not possible. Waste and packaging should be disposed of safely. Care should be taken when handling empty uncleaned or rinsed packages. Empty packages or liners may retain product residue. Vapours from product residues inside the packaging may form a highly flammable or explosive atmosphere. Do not cut, weld or grind used containers unless the inside is well cleaned. Avoid discharge of spilled material to soil, surface waterways, drains and sewers.

SECTION 14. TRANSPORT INFORMATION

UN number 1170

UN proper shipping name

Transport hazard class



3

Packing group III

Environmental hazards

Special precautions for user

Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15. REGULATORY INFORMATION

15.1 Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC)

No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (error correction - Official Journal of the EU, L 136/3, 2007-5-29). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OL 2008 L 353, p. 1). Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents. Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). Waste Management Regulations (Approved by Order No 722 of the Minister of the Environment of 30 December 2003), (Official Gazette, 2004, No. 68-2381). Packaging and Packaging Waste Management Regulations (Approved by Order No. 348 of the Minister of the Environment of 27 June 2002), (Official Gazette, 2002, No. 81-3503). HN23-2011 "Occupational Exposure Limits for Chemical Substances - General Requirements for Measurement and Impact Assessment" (Official Gazette, 2011, No.112-5274). Authorization and Registration of Biocidal Products (Approved by Order No 421 of the Minister of Health of 14 August 2002), Official Gazette, 2002, No. 87-3760, 2006 No. 19-671, 2007, No. 63-2425, No. 32-1118). The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). List of Acute Health Disorders Caused by Dangerous Chemicals, Preparations and Biological Substances of the First Aid Measures (Approved by Order No. V-769 of the Minister of Health of the Republic of Lithuania of 24 December 2003), (Official Gazette, 2004, No.7-157). Commission Regulation (EC) No 1451/2007 of 4 December 2007 on the second phase of the 10-year work program referred to in Article 16(2) of Directive 98/8/EC of the European Parliament and of the Council concerning the placing of biocidal products on the market (Official Journal of the European Union, No. L 325/3, 2007 12 11).

16. Information on the label on the packaging (container) of the preparation: -

Name, trademark and address of the manufacturer's company; -

Product name and purpose:

Net mass or volume; - User Manual;

Hazard statements: **GHS02**

H225 Highly flammable liquid and vapor

Precautionary statements:

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.

P233 Keep container tightly closed.

P102 Keep out of reach of children.

P301+P310 IF SWALLOWED: Immediately call to Intoxication Control and Information Office or apply to a doctor.

The data given in this Safety Data Sheet must be available to anyone handling the substance or preparation. The data is based on our current knowledge and is intended to describe the chemical product in terms of safety and health at work and environmental aspects. The information in the Safety Data Sheet will be updated as new data on the health and environmental effects of the product, on preventive measures to reduce the risks or to eliminate them altogether. The information provided in the Safety Data Sheet does not reveal any other specific properties of the substance or preparation.