



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2020/878)

GluHU Sanitizer

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

1.1. Product identifier

Product name GluHU Sanitizer

Product code None.

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

Use of the Substance/Mixture Hand and surface disinfectant

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification GluHU GmbH
Fabrikstrasse 10
CH-9470 Buchs
Switzerland
Ph +41 43 311 70 20
info@atelierbassi.com

1.4. Emergency telephone number 145 (Tox Info Suisse)
international +41 44 251 51 51

Revision date 08.09.2022

Version GHS 1

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 Serious eye damage/eye irritation, Cat. 2, H319
Flammable liquids, Cat. 2, H225

Additional information For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements



Signal Word	Danger
Hazard Statements	H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation.
Precautionary statements	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P241: Use explosion-proof [electrical/ventilating/lighting] equipment. P370+P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. P403+P235: Store in a well-ventilated place. Keep cool.
Supplemental information	None.
Product identifier	Not required.
Packaging	Tactile warning of danger (EN/ISO 11683).
2.3. Other hazards	None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Alcoholic solution.

Components		CLP Classification	Product identifier
Ethanol	50% - 75%	Eye Irrit. 2 H319, Flam. Liq. 2 H225	CAS-No.: 64-17-5 EC-No.: 200-578-6
2-methylpropan-2-ol; tert-butyl alcohol	0.01% - 0.1%	Acute Tox. 4 H332, Eye Irrit. 2 H319, STOT SE 3 H335, Flam. Liq. 2 H225	CAS-No.: 75-65-0 EC-No.: 200-889-7 Index-No: 603-005-00-1
Denatonium Benzoate	0.01% - 0.1%	Eye Dam. 1 H318, Skin Irrit. 2 H315, Acute Tox. 4 H332, Acute Tox. 4 H302, Aquatic Chronic 3 H412	CAS-No.: 3734-33-6 EC-No.: 223-095-2

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities None known.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move to fresh air. Consult a physician after significant exposure.
Skin contact	No special measures required.
Eye contact	Flush eyes with water as a precaution. If eye irritation persists, consult a specialist.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Consult a physician if necessary.

4.2. Most important symptoms and effects, both acute and delayed Dizziness. Headache. Blurred vision.

4.3. Indication of any immediate medical attention and special treatment needed None known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use dry chemical, CO ₂ , water spray or alcohol foam.
Extinguishing media which must not be used for safety reasons	High volume water jet.

5.2. Special hazards arising from the substance or mixture Solvents may produce excessive pressure under fire-conditions. Sealed containers may rupture and ignite.

5.3. Advice for firefighters

Special protective equipment for firefighters	Standard procedure for chemical fires.
Specific methods	Keep containers and surroundings cool with water spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel Remove all sources of ignition. Pay attention to flashback.

Advice for emergency responders Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2. Environmental precautions	No special environmental precautions required.
6.3. Methods and material for containment and cleaning up	Small quantities: Wipe up with adsorbent material (e.g. cloth, fleece). Large quantities: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). After cleaning, flush away traces with water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Use only in well-ventilated areas. May be ignited by open flame.
7.2. Conditions for safe storage, including any incompatibilities	Keep container tightly closed in a dry and well-ventilated place.
7.3. Specific end use(s)	No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s) No data is available on the product itself.

Ethanol (CAS 64-17-5)

United Kingdom - Workplace	3000 ppm STEL (calculated)
Exposure Limits (WELs) - STELs	5760 mg/m ³ STEL (calculated)
United Kingdom - Workplace	1000 ppm TWA
Exposure Limits (WELs) - TWAs	1920 mg/m ³ TWA

2-methylpropan-2-ol; tert-butyl alcohol (CAS 75-65-0)

United Kingdom - Workplace	150 ppm STEL
Exposure Limits (WELs) - STELs	462 mg/m ³ STEL
United Kingdom - Workplace	100 ppm TWA
Exposure Limits (WELs) - TWAs	308 mg/m ³ TWA

8.2. Exposure controls

Appropriate engineering controls When using, do not eat, drink or smoke.

Personal protection equipment

Respiratory protection No special protective equipment required.

Hand protection Protective gloves complying with EN 374.

Eye protection Avoid contact with eyes.

Skin and body protection No special measures required.

Thermal hazards Container may rupture on heating.

Environmental exposure controls No special measures required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Various colours
Odour	Like fruit
Melting point/ freezing point:	Not determined.
Boiling point or initial boiling point / range:	88 °C
Flammability:	Not determined.
Lower and upper explosion limit:	Not determined.
Flash point:	12 °C
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH:	7.5
Kinematic viscosity:	Not determined.
Solubility:	partly soluble (Wasser) soluble (Alcohol)
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density:	ca. 0.82
Relative vapour density:	Not determined.
Particle characteristics:	Not applicable.

9.2. Other information

Other safety characteristics	No information available.
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SECTION 10: Stability and reactivity

10.1. Reactivity	No information available.
10.2. Chemical stability	No decomposition if used as directed.
10.3. Possibility of hazardous reactions	None known.
10.4. Conditions to avoid	Strong sunlight for prolonged periods. Fire or intense heat may cause violent rupture of packages.
10.5. Incompatible materials	Incompatible with strong bases and oxidizing agents.
10.6. Hazardous decomposition products	None reasonably foreseeable.

SECTION 11: Toxicological information

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

Acute toxicity	Negligible. Ethanol (CAS 64-17-5) Inhalation LC50 Rat = 116.9 mg/L 4 h(ECHA_API) Inhalation LC50 Rat = 133.8 mg/L 4 h(ECHA_API) Oral LD50 Rat = 7060 mg/kg (NLM_CIP) 2-methylpropan-2-ol; tert-butyl alcohol (CAS 75-65-0) Dermal LD50 Rabbit > 2 g/kg (CHEMVIEW) Inhalation LC50 Rat > 10000 ppm 4 h(NLM_CIP) Oral LD50 Rat = 2200 mg/kg (JAPAN_GHS) Denatonium Benzoate (CAS 3734-33-6) Dermal LD50 Rat > 2000 mg/kg (ECHA_API) Inhalation LC50 Rat = 0.2 mg/L 4 h(ECHA_API) Oral LD50 Rat = 584 mg/kg (NLM_CIP)
Skin corrosion/irritation	May cause irritation of the mucous membranes.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory / Skin Sensitisation	None.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Germ cell mutagenicity	Contains no ingredient listed as a mutagen.
Reproductive toxicity	Contains no ingredient listed as toxic to reproduction.
Specific target organ toxicity (single exposure)	No data available.
Specific target organ toxicity (repeated exposure)	Causes damage to organs (Liver,Central nervous system,Immune system) through prolonged or repeated exposure if swallowed.
Aspiration hazard	No data available.
Human experience	Vapours may cause irritation to the eyes, respiratory system and the skin. Excessive exposures may affect human health, as follows: Systemic toxicity..

11.2. Information on other hazards

Other information	No data available.
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SECTION 12: Ecological information

12.1. Toxicity	This product has no known eco-toxicological effects.
Ethanol (CAS 64-17-5)	
Ecotoxicity - Earthworm - Acute Toxicity Data	LC50 48 h Eisenia foetida 0.1 - 1 mg/cm ² [filter paper] (IUCLID)
Ecotoxicity - Freshwater Fish -	LC50 96 h Oncorhynchus mykiss 12.0 - 16.0 mL/L [static] (EPA)

Acute Toxicity Data	LC50 96 h Pimephales promelas >100 mg/L [static] (EPA) LC50 96 h Pimephales promelas 13400 - 15100 mg/L [flow-through] (EPA)
Ecotoxicity - Water Flea - Acute Toxicity Data	LC50 48 h Daphnia magna 9268 - 14221 mg/L (IUCLID) EC50 48 h Daphnia magna 2 mg/L [Static] (EPA)
2-methylpropan-2-ol; tert-butyl alcohol (CAS 75-65-0)	
Ecotoxicity - Freshwater Algae - Acute Toxicity Data	EC50 72 h Desmodesmus subspicatus >1000 mg/L (IUCLID)
Ecotoxicity - Freshwater Fish - Acute Toxicity Data	LC50 96 h Pimephales promelas 6130 - 6700 mg/L [flow-through] (EPA)
Ecotoxicity - Water Flea - Acute Toxicity Data	EC50 48 h Daphnia magna 933 mg/L (IUCLID) EC50 48 h Daphnia magna 4607 - 6577 mg/L [Static] (EPA)
Denatonium Benzoate (CAS 3734-33-6)	
EU - Ecolabel (66/2010) - Detergent Ingredient Database - Aerobic Degradation	The ingredient has not been tested.
EU - Ecolabel (66/2010) - Detergent Ingredient Database - Anaerobic Degradation	The ingredient has not been tested.
12.2. Persistence and degradability	Expected to be ultimately biodegradable.
12.3. Bioaccumulative potential	No data is available on the product itself.
12.4. Mobility in soil	The product evaporates from soil.
12.5. Results of PBT and vPvB assessment	This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
12.6. Endocrine disrupting properties	No information available.
12.7. Other adverse effects	No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Must be reconditioned or disposed as special waste. Dispose of as special waste in compliance with local and national regulations.
Contaminated packaging	Offer rinsed packaging material to local recycling facilities.

SECTION 14: Transport information

14.1. UN number or ID number	UN 1170
14.2. UN proper shipping name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3. Transport hazard class(es)	3

14.4. Packing group	II
14.5. Environmental hazards	Marine pollutant: No.
14.6. Special precautions for user	Not applicable.
14.7. Maritime transport in bulk according to IMO instruments	Not applicable.
UN Model Regulations	
ADR/RID	UN 1170. Proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION). Class 3. Packing group II. ADR/RID-Labels 3. Classification code F1. Hazard identification no. 33. Limited quantity 1 L. Excepted quantity E2. Transport category 2. Tunnel restriction code (D/E).
IMDG	UN 1170. Proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION). Class 3. Packing group II. IMDG-Labels 3. Limited quantity 1 L. Excepted quantity E2. EmS F-E, S-D. Marine pollutant: Marine pollutant: No..
IATA	UN 1170. Proper shipping name: Ethanol solution (Ethyl alcohol solution). Class 3. Packing group II. IATA label 3. Packing instruction (passenger aircraft): 353 (5 L). Packing instruction (LQ): Y341 (1 L). Packing instruction (cargo aircraft): 364 (60 L).
Inland navigation ADN	UN 1170. Proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION). Class 3. Packing group II. ADN labels 3. Classification code F1. Limited quantity 1 L. Excepted quantity E2.
Further Information	None.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulatory Information	The product is classified and labelled in accordance with EC directives or respective national laws. Tactile warning of danger (EN/ISO 11683).
Ethanol (CAS 64-17-5)	
TEDX (The Endocrine Disruption Exchange) - Potential Endocrine Disruptors	Present
EU - Biocides (1062/2014) - Annex II Part 1 - Supported Substances	036 Product type 1, 2, 4 (200-578-6)
EU - Biocides (2007/565/EC) - Substances and Product-Types Not to Be Included in Annexes I, IA and IB to Directive 98/8/EC	Product type: 3
EU - REACH (1907/2006) - List of Registered Substances	Present
2-methylpropan-2-ol; tert-butyl alcohol (CAS 75-65-0)	
EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	Use restricted. See item 75.
EU - REACH (1907/2006) - List of Registered Substances	Present
Denatonium Benzoate (CAS 3734-33-6)	
EU - Plant Protection Products (1107/2009/EC) - Active Substances	Only uses as repellent may be authorised (important details in Commission Implementing Regulation 2017/195/EU, listed under part A) Conditions of use shall include, where appropriate, risk mitigation measures (important details in Commission Implementing Regulation 2017/195/EU, listed under part A)
EU - REACH (1907/2006) - List of Registered Substances	Present
15.2. Chemical safety assessment	Not required.

SECTION 16: Other information

Key or legend to abbreviations and acronyms	CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS) VeVA: Ordinance on the Treatment of Waste (SR 814.610)
Key literature references and sources for data	Sources of key data used to compile the Safety Data Sheet: REACH, ECHA.
Classification procedure	Classification according to Regulation (EC) No. 1272/2008.
Full text of phrases referred to under sections 2 and 3	H225: Highly flammable liquid and vapour. H302: Harmful if swallowed. H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

Instructions for use

Keep away from sources of ignition - No smoking. Keep away from children.

Disclaimer

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 information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. 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.