

SAFETY DATA SHEET

According Regulation (EU)

№ 1907/2006 (REACH) , Regulation (EU) № 1272/2008 (CLP) and Regulation (EU) 2015/830/EU

Date of first issue: 06.03.2020


Revision: 03 / 2020

“SOS” HAND SANITISER GEL

SECTION 1. IDENTIFICATION

Product name	“SOS” HAND SANITISER GEL
Product type:	Hand cleansing gel
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Intended use	
Intended use	hand skin
1.3 Details of the supplier of the safety data sheet	

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture Classification (EC 1272/2008):		
Hazard classes and categories:	Flammable liquid, 2 (Flam.Liq. 2)	H225
2.2 Label elements		
Labeling according to Regulation 1272/2008 (CLP)		
Pictogram (s) GHS02		

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Signal word		Warning
Warnings of danger	H225	Highly flammable liquid and vapors
Safety recommendations	P210	Keep away from heat / sparks / open flame / hot surfaces. Smoking is forbidden
	P233	Keep container tightly closed
	P242	Use only spark-free tools
	P243	Take precautions against the release of static electricity.
	P280	Use protective gloves, protective clothing, safety goggles.
	P305+P351+P338	EYE CONTACT Rinse cautiously with water for several minutes. Remove contact lenses, if any, and as far as possible.
P370 + P378	Continue to flush. In case of fire: use CO ₂ , extinguishing powder, dispersed water jet, alcohol-resistant foam to quench	
P403+P235	Keep in a well-ventilated place. Keep cool	
2.3 Other hazards		-
PBT/vPvB:		In accordance with Annex XIII of Regulation (EC) No 1907/2006: is not persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB)

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight (g/100g)	CAS№/ EC №	GHS Classification (EO) 1272/2008
Ethanol	50-75	CAS № 64-17-5 EC № 200-578-6	Flam. Liq. 2, H225
Isopropyl Alcohol	1 – 5	CAS № 67-63-0 EC № 200-661-7	Flam. Liq. 2 H225 Eye Irrit.2 H319 STOT SE 3 H336
Triethanolamine	0-0.5	CAS № 102-71-6 EC № 203-049-8	

*The full texts of the phrases are shown in Section 16.

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4. FIRST AID MEASURES

Inhalation	If breathing is difficult move to fresh air.
Eyes	Flush with water.
Skin	Flush with water.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable	Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO ₂)
Unsuitable extinguishing media	Not data

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

5.3 Advice for fire-fighters

Large quantities of gel hand sanitizer are flammable and vapors form explosive mixtures with air. Dangerous when exposed to heat, sparks, flame or oxidants.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

6.2 Environmental precautions

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and cleaning up

Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down)

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gases/vapors/mists with a water spray jet. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling	Keep away from heat, sparks, and open flames. Store at normal room temperature away from reach of small children. Keep container closed. Avoid freezing conditions. See section 2 for further details
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7.2 Conditions for safe storage, including any incompatibilities

Conditions for safe storage	Handle containers carefully to prevent damage and spillage. Naked flames and smoking should not be permitted in storage areas. It is recommended that fork lift trucks and electrical equipment are protected to the appropriate standard. Incompatible materials: Incompatible with strong oxidizing agents See section 2 for further details
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7.3 Specific end use(s) for hygienic disinfection of hands

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Ingredients with workplace control parameters

Occupational Exposure Limits	Occupational Air Quality Limits according to Regulation No. 13 on Protection of Workers from Risks Related to Exposure of Chemical Agents at Work (SG No. 8 of 30 January 2004):					
	Ingredient	8h		15min		skin
		mg/m ³	ppm	mg/m ³	ppm	
	Ethanol	1000				
Isopropyl Alcohol	980		1225			

8.2 Exposure controls

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Appropriate technological control:	Total or local ventilation. Provide eye-washing facilities and an emergency shower when handling this product.
Personal protective equipment	
Respiratory protection	It is not necessary under normal use.
Hand protection	Impervious gloves, Flame retardant gloves
Eye protection	Wear the following personal protective equipment: Safety goggles
Skin and body protection	Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential
Hygiene measures	Observe good hygiene practice when handling the product. Washing hands before resting and eating. Avoid contact with skin and eyes and inhalation of vapors.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Gelly like mass with air bubbles included
Odor	Typical of the fragrances
Color	Colorless
pH in 1% solution	4,5 – 8,5
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	Not applicable
Lower explosion limit	Not applicable
Flammability (solid, gas)	Water solution
Upper explosion limit	Not applicable
Vapor pressure	Not applicable
Relative vapor density	Not applicable.
Density	0,8888

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Solubility(ies)	soluble
Water solubility	
Autoignition temperature	No data available
Decomposition temperature	The substance or mixture is not classified self-reactive.
Viscosity	15000 mPs (23 °C).
Oxidizing properties	The substance or mixture is not classified as oxidizing
Explosive properties	Not explosive

10. STABILITY AND REACTIVITY

10.1 Reactivity: Not classified as a reactivity hazard.

10.2 Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions: Not data

10.4 Conditions to avoid: Heat, flames and sparks

10.5 Incompatible materials: Not data.

10.6 Hazardous decomposition products: No hazardous decomposition products are known .

11. TOXICOLOGICAL INFORMATION

11.1 Information on likely routes of exposure

Acute toxicity	LD50 oral > 2000 mg / kg / calculated for the final product.
Skin corrosion / irritation	Does not cause skin irritation
Serious eye damage / eye irritation	Does not cause serious damage or eye irritation.
Sensitization	Does not contain allergenic ingredients above the limit causing allergic reactions
Carcinogenicity;	Does not contain ingredients classified as carcinogens.
Mutagenicity;	Does not contain ingredients classified as mutagenic.
Reproductive toxicity.	Does not contain ingredients toxic to reproduction

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

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The product has not been tested. Data are for the active substance Ethyl alcohol	
Ethanol::	Toxicity to fish LC ₅₀ > 1000 mg/ l (96 h).
	Toxicity to daphnia and other aquatic invertebrates EC ₅₀ Daphnia magna > 10000 mg/ l (48 h).
	Toxicity to algae EC50 - 275 mg/l (72h)
	Biodegradability - readily biodegradable.
12.2 Persistence and degradability	
Biodegradability	Readily biodegradable
Hydrolysis, Oxidation.	Fast oxidation.
12.3 Bioaccumulative potential	
The bioconcentration factor	There is no data on the preparation. Bioaccumulation is not expected.
Partition coefficient: noctanol/water	Not data
12.4 Mobility in soil: No data available	
12.5 Results of the PBT and vPvB assessment According to Annex XIII of Regulation (EC) No 1907/2006, the biocidal product does not contain PBT and vPvB substances.	

13. DISPOSAL CONSIDERATIONS

13.1 Disposal methods	Dispose of in accordance with local regulations
Contaminated packaging	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not burn, or use a cutting torch on, the empty drum.

14. TRANSPORT INFORMATION


14.1. UN number ADR, IMDG, IATA	UN1170
14.2. Proper shipping name OOH	ADR ETHANOL IMDG ETHANOL (ETHYL ALKOHOL) IATA ETHANOL

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14.3. Class <i>Labels</i> ADR, IMDG, IATA	 Class : 3 Packing 3 (F1) Flammable Liquids Labels 3
14.4. Packing group	II
14.5. Environmental hazards	The product is not dangerous for the environment.
14.6. Special precautions for users	Caution: Flammable liquids Kemler's Number 33 EMS (accident measures in the seas) -number: F-S, S-D
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

15. REGULATORY INFORMATION

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

Regulation (EU) No 453/3010 amending European Parliament Regulation (EC) No 1907/2008 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548 / EEC and 1999/45 / EC amending Regulation (EC) No 1907/2006.

European Directive 76/769 / EEC on the restriction of the placing on the market and use of certain dangerous substances and preparations.

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Council Directive 98/24 / EC on the protection of the health and safety of workers and the risks related to chemical agents at work.

Commission Directive 2000/39 / EC establishing first lists of indicative occupational exposure limit values for the implementation of Council Directive 98/24 / EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Council Directive 89/656 / EEC on the minimum health and safety requirements for the use of personal protective equipment at the workplace.

Directive 2008/98 / EC of the European Parliament and of the Council of 19 November 2008 on waste.

Directive 2000/60 / EC establishing a framework for action in the field of water policy.

European Directive 91/689 / EEC on hazardous waste.

European Directive 94/62 / EC on Packaging and Waste.

European Directive 1999/31 / EC on the landfill of waste.

National legislation:

Law on Protection against Harmful Impact of Chemical Substances and Mixtures (prom., SG, No. 10 of 2000);

Environmental Protection Act (promulgated, State Gazette No. 91 of 25.09.2002);

Law on Health and Safety at Work - (promulgated in State Gazette No.124 of 23 December 1997);

Waste Management Act (promulgated, State Gazette No. 53 of 13.07.2012);

Ordinance No 2 of 23.07.2014 on the classification of waste (promulgated, State Gazette No. 66 of 08.08.2014);

Ordinance No 13 of 30 December 2003 on the protection of workers from the risks related to exposure to chemical agents at work (promulgated SG No. 8 of 30 January 2004).

15.2 Chemical Safety Assessment: No chemical safety assessment was found for this product and its constituents.

16. OTHER INFORMATION

The data in the safety data sheet correspond to the level of the current knowledge at the date of preparation. Since the use of the information and the conditions of use is beyond the control of the manufacturer, the user of the commercial product is responsible for the conditions of its safe application.

Meaning of Danger Warnings 3:

These phrases do not apply to the product itself, they are for information only and refer to the individual ingredients listed in section 3

H225 Highly flammable liquid and vapor

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness.