

	Aizstāj: pirmo reizi	Dokumenta veids: DDL	Stājas spēka: 26.03.2020 Pārskatīšanas datums: 26.03.2022 Lappuse 1 no 9
Dokumenta kods: Lab-GP-DDL001-Red01-ENG	MATERIAL SAFETY DATA SHEET According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation 2015/830 SEPTONOL		

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

- 1.1. Product identifier:** **SEPTONOL**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:** Professional hand cleaner and disinfectant for professional use
- 1.3. Details of the supplier of the safety data sheet:**

1.4. Emergency telephone number:

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

Classification according to Regulation EC No 1272/2008 [CLP].

2.1.1 Highly flammable liquid and vapour- Category 2.

2.2 Label elements:

Label in accordance with Regulation (EC) No 1272/2008 [CLP].

Signal word:

Danger

Pictograms:



Hazard statements:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statements:

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness

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

P233 Keep container tightly closed

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical, ventilating, lighting equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378 In case of fire: Use Foam, dry chemical powder, carbon dioxide for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

2.3 Other hazards:

Mixture does not meet the PBT criteria of REACH regulation, annex XIII.

3. COMPONENTS OF THE PRODUCT AND INFORMATION ON ITS INGREDIENTS

3.1. Substances apply.

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3.2. Mixture.

Information about product ingredients	Identifier	Concentration, %	Classification according to Regulation (EC) No 1272/2008
Ethanol	EINECS No: 200-578-6 CAS No: 64-17-5 Index-No: 603-002-00-5 REACH No.: 01-119457610-43	80-85	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Propylene glycol	CAS No.57-55-6 EINECS No. 200-338-0 Index-No.: no data REACH Nr. : 01-2119456809-23	1,5	Not classified
Hydrochloric acid	CAS No.7722-84-1 EINECS No. 231-765-0 Index-No.:008-003-00-9 REACH No.: no data	<0,5	H272 Ox. Liq. 2; H314 Skin Corr. 1B; H332 Acute Tox. 4; H302 Acute Tox. 4; H318 Eye Dam. 1; H335 STOT SE 3

4. FIRST-AID MEASURES

4.1. Description of first aid measures:

- 4.1.1 First-aid measures after eye contact: Flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention if symptoms persist.
- 4.1.2. First-aid measures after skin contact: Flush contaminated skin with plenty of water and soap. Remove contaminated clothing and shoes. Contact physician if symptoms persist.
- 4.1.3. First-aid measures after ingestion: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Get medical attention if feeling unwell.
- 4.1.4. First-aid measures after inhalation: Remove victim to fresh. If unconscious, place in recovery position and get medical attention immediately.

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

- 4.2.1 Symptoms after inhalation can cause: Irritation of nose, throat and airway. Exposure to high concentrations: central nervous system depression. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. Adverse symptoms may include the following: respiratory tract irritation, coughing, shortness of breath.
- 4.2.2. Symptoms after skin contact can cause: May be irritating to the skin. Adverse symptoms may include the following: pain or irritation, redness, blistering may occur.
- 4.2.3. Symptoms/injuries after eye contact can cause: May be irritating to the eyes. Adverse symptoms may include the following: pain, watering, redness.
- 4.2.4. Symptoms after ingestion can cause: May cause central nervous system depression. Aspiration of vomits may cause lung injury. Adverse symptoms may include the following: stomach pains, nausea, headache, dizziness and intoxication.

4.3. Indication of any immediate medical attention and special treatment needed:

- 4.3.1. First aid means that must be located at the work place: Treat symptomatically. Contact poison treatment specialist immediately.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media:

- 5.1.1 Suitable extinguishing media: Foam, dry chemical powder, carbon dioxide.
- 5.1.2 Unsuitable extinguishing: Do not use direct water jet on burning material.

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media:

5.2. Special hazards arising from the substance or mixture:

- 5.2.1. Fire hazard: This product is classified as flammable and heating may generate vapours which may form explosive vapour/air mixtures.
- 5.2.2. Hazards of combustion residues: Carbon dioxide, carbon monoxide and unidentified organic and inorganic compounds.

5.3. Special protective equipment for fire-fighters:

- 5.3.1. Firefighting measures: Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- 5.3.2. Protection during firefighting: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

- 6.1.1. For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep away from sources of ignition. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

- 6.1.2. For emergency responders: See Section 8.

Suitable protective clothing:

- 6.2. Environmental precautions:** Do not allow to enter drains or water courses.

- 6.3. Methods and material for containment and cleaning up:**
- Small spill: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Contain and collect spillage with non-combustible, absorbent material and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

- 6.4. Reference to other sections:** See heading 13.

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling:** Keep away from naked flames. Keep away from heat sources, hot surfaces, sparks, open flame or other. When use follow Hygiene measures and security practice conditions. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities:

- 7.2.1 Safe storage requirements: Store in a dark place at up to 20°C, away from sources of ignition and sunlight, in the original sealed package. Keep out of reach of children. Avoid contact with eyes and avoid ingestion! Do not store with food and feedstuffs.
- 7.2.2 Keep away from: Keep only in the original container and ventilate. See Section 10.
- 7.2.3 Suitable packaging material: Glass, stainless steel, plastic.
- 7.2.4 Non suitable packaging material: Copper, aluminium.
- 7.3. The specific end uses:** Professional use.

8. LIMITATION OF HAZARDOUS ACTIVITIES / PERSONAL PROTECTION

8.1. Control parameters:

8.1.1. Occupational exposure limits:

Country	Substance name	CAS Nr.	Identifire	Limit value 8 h. (ppm)	Limit value 8 h. (mg/m ³)	Limit value short term (ppm)	Limit value short term (mg/m ³)

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LV	Ethanol	64-17-5	OEL	Not available	1000	Not available	Not available
DE	Ethanol	64-17-5	OEL	500	960	Not available	Not available
UK	Ethanol	64-17-5	OEL	1000	1920	Not available	Not available
LV	Propylene glycol	57-55-6	OEL	Not available	7	Not available	Not available

Mark

8 hours. The time-weighted average (long-term exposure limit): time-weighted average value of the measured or calculated in relation to the 8-hour time-weighted average reference interval STEL (15 min).

Short-term exposure limit: threshold above which exposure should not occur and which is related to a 15 minute period unless otherwise specified.

8.1.2. Recommended monitoring Not available.

procedures:

8.1.3. Derived No Effect Level (DNEL) (ethanol 96%):

End Use	Exposure routes	Potential health effects	Value (mg/m ³)
Workers	Inhalation	Short term, local effects	950
Workers	Inhalation	Short term, local effects	1900
Workers	Skin contact	Long-term systemic effects	343 mg/kg bw/day
General Population	Inhalation	Long-term systemic effects	114
General Population	Inhalation	Acute/short term local effects	950
General Population	Skin contact	Long-term systemic effects	206 mg/kg bw/day
General Population	Ingestion	Long-term systemic effects	87 mg/kg bw/day
General Population	Skin contact	Short term, local effects	950

8.1.4. Predicted No-Effect Concentration (PNEC) (ethanol 96%):

Hazard for aquatic organisms:	Value (mg/l)
Freshwater	0.96
Marine water	0.76
Soil	0.63 mg/kg sediment dw
STP microorganisms	580
Sediment (Fresh water)	3.6 mg/kg sediment dw
Sediment (Marine water)	2.9 mg/kg sediment dw
Environment – water, sporadic (intermittent) release	2,75 mg/l
Environment - oral (animal feed)	0,72 mg/kgfeed

8.1.5. Effective management of the risk: Not available.

8.2. Manufacturer: Exposure control:

8.2.1. Appropriate engineering Ensure good ventilation.

controls:

8.2.2. Individual protection measures, such as personal protective equipment:

Respiratory protection: Under normal conditions there is no need.

Hand protection:



Chemical resistant gloves

Eye protection:



Safety glasses

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Skin protection:



Wear suitable protective clothing

8.2.3. Environmental exposure controls:

See heading 6.2, 6.3 and 13

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Physical state:	Liquid.
Colour:	Transparent
Odor:	Characteristic to the plant raw material.
Odor threshold:	No data available.
pH:	5.0-8.0
Melting point / freezing point:	No data available.
Initial boiling point and boiling range:	>35° C
Flash point:	20° C
Evaporation rate:	No data available.
Flammability:	No data available.
Upper/lower flammability or explosive limits	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	0.890-0.940
Solubilities:	Water/ethanol.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidising properties:	No data available.
9.2. Other Information:	No data available.

10. STABILITY AND REACTIVITY

10.1. Reactivity:	Unknown.
10.2. Chemical stability:	Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4. Conditions to avoid:	Heat, sparks, open flame, electrical discharge.
10.5. Incompatible materials:	Unknown
10.6. Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

11.1.1. Acute toxicity: Not classified.

Ethanol 96%

Acute toxicity	Result	Dose	Species
Acute Oral Toxicity	LD 50	10470 mg/kg	Rat
Acute dermal Toxicity	LD50	>20000 mg/kg	Rabbit

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Acute inhalation Toxicity	LC50	124.7 mg/kg	Rat
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11.1.2. Skin corrosion/irritation:	Substance not classified. Ethanol 96%: Not irritating.
11.1.3. Serious eye damage/irritation:	Ethanol 96%: No known effect.
11.1.4. Respiratory or skin sensitisation:	Substance not classified. Ethanol 96%: Not sensitizing.
11.1.5. Germ cell mutagenicity:	Substance not classified. Ethanol 96%: No known effect.
11.1.6. Carcinogenicity:	Substance not classified. Ethanol 96%: NOAEC: >3000 mg/kg rat
11.1.7. Reproductive toxicity:	Substance not classified. Ethanol 96%: NOAEL >5200 mg/kg bw/d rat
11.1.8. Specific target organ toxicity (single exposure):	Substance not classified. Ethanol 96%: No known effect.
11.1.9. Specific target organ toxicity (repeated exposure):	Substance not classified. Ethanol 96%: No known effect.
11.1.10 Aspiration hazard:	Substance not classified. Ethanol 96%: No known effect.
11.2. Other information:	No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

LC50 to Fish
Ethanol 96%

Parameter	Method	Value	Duration	Spices	Fresh/marine water
No data available.	OECD 203 (Fish, Acute Toxicity Test)	13000 mg/l	96 h	<i>Oncorhynchus mykiss</i>	No data available.

LC50 to aquatic invertebrates
Ethanol 96%

Parameter	Method	Value	Duration	Spices	Fresh/marine water
No data available.	No data available.	12340 mg/l	48 h	<i>Daphnia magna</i>	No data available.

EC50 to aquatic algae
Ethanol 96%

Parameter	Method	Value	Duration	Spices
No data available	OECD 201 (Alga, Growth Inhibition Test)	275 mg/l	72 stundas	<i>Chlorella vulgaris</i>

12.2. Persistence and degradability:	Biological well degradable.
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Ethanol 96%

Method	Value	Duration
OECD 301 B (Ready Biodegradability -Co2 Evolution Test)	97%	No data available

No data available

12.3. Bioaccumulative

potential:

Ethanol 96% BCF

Spices	Value
No data available	0.66-3.2

12.4. Mobility in soil:

No data available

Ethanol 96%: No data available

12.5. Results of PBT and vPvB

assessment:

Mixture does not meet the PBT criteria of REACH regulation, annex XIII.

12.6. Other adverse effects:

No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

13.1.1. Waste disposal

recommendations:





Waste must be disposed of in accordance with federal, state and local environmental control regulations. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

13.1.2. Packaging waste disposal

recommendations:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. TRANSPORT INFORMATION

ADR/RID	ADN	IMDG	IATA
14.1. UN number:			
3065	3065	3065	3065
14.2. UN proper shipping name:			
ALCOHOLIC BEVERAGES			
14.3 Transport hazard class:			
3.	3.	3.	3.
			
14.4. Packaging group:			
II	II	II	II
14.5. Environmental hazards:			
No environmental hazards			

Overland transport/ Rail transport:

Special provisions:144,145

Limited quantities:5 L

Excepted quantities:E1

Transport category:3

Packing instructions:P001

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Special provisions for carriage:S2

Tunnel restriction code: (D/E)

Inland waterway transport:

Special provisions:144,145

Limited quantities:5 L

Excepted quantities:E1

Transport category:3

Packing instructions:P001

Special provisions for carriage: T

Transport by sea:

Special provisions:144,145

Limited quantities:5 L

Excepted quantities:E1

Transport category:3

Packing instructions:P001

Special provisions for carriage:S2

Air transport:

Special provisions: A9, A58

PCA Limited quantities:Y344

PCA Excepted quantities:E1

PCA packing instructions:366

PCA Max net quantity: 60L

CAO Max net quantity:220L

PCA limited quantity max net quantity: 10L

14.7. Transport in bulk according to MARPOL 73/78 and the IBC Code:

No applicable

15. REGULATORY INFORMATION:

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

15.1.1. European legislation:

EPP Regulation (EK)Nr.

1272/2008.

REACH regulation:

XVII Annex:

Substances of very high concern: None of the components are listed.

XIV Annex:

Not applicable.

15.1.2. National regulations:

No additional information available.

15.2. Chemical safety assessment:

Chemical safety assessment has been carried out.

16. COMPLEMENTARY INFORMATION

Explanations:

CAS Nr.- Chemicals registration number of Chemical Abstracts Service.

EINECS Nr.- Chemicals number of European Chemical Substances.

ADR- dangerous goods international transport by road.

RID- dangerous goods in international rail transport.

IMDG- dangerous goods shipping.

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ICAO dangerous goods by air.

ATE - Acute Toxicity Estimate.

CLP - Classification, Labeling and Packaging Regulation [Regulation (EC) No. 1272/2008].

DMEL - Derived minimal effect level.

DNEL - Derived No Effect Level.

EUH statement - CLP-specific Hazard statement.

PBT - Persistent, bioaccumulative and toxic.

PNEC- The Predicted No Effect Concentration.

vPvB -very persistent and very bioaccumulative substance.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP / GHS].

Full text of classifications and H
Statements:

H225 Highly flammable liquid and vapour- Category 2.

H319 Causes serious eye irritation- Category 2.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness

Changes:

This version replaces all previous versions.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.