

SAFETY DATA SHEET		
according to Regulation of the European Parliament and of the Council (EC) No. 1907/2006 (REACH)		
MENTHOL EP		
Release date: 25/05/2009	Date of revision: 10.1.2019	Version B

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

1.1 Product identifier

Name of substance or preparation: MENTHOL EP
 Other names of the substance or preparation: INCI name: Menthol
 (1R, 2S, 5R)-2-isopropyl-5-methylcyclohexanol

1.2 Relevant uses of the substance or mixture and non-recommended uses

Use
 - flavoring, fragrance.

1.3 Detailed data on the supplier of the safety data sheet

Name or business name: Ekokoza sro
 Place of business or registered office: Fryšovice 297, 73945 Fryšovice

Website: Phone: www.eshop.ekokoza.cz
 Fax: E-mail: +420 568420653

address of the professionally qualified person responsible for the safety data sheet: capkovi@ekokoza.cz

1.4 Telephone number for emergency situations

Toxicology Information Centre, Na Bojišti 1, 128 08 Prague 2 Telephone (24 hours/day): +420 224 919 293, +420 224 915 402

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

DSD/DPD Hazard designation:

Irritating

R-phrases:

Irritating to eyes and skin

CLP

Hazard category:

Eye irritation: Eye Irrit. 2 Skin

irritation: Skin Irrit. 2 Hazard data:

Irritating to

skin Causes serious eye irritation

2.2 Marking elements

Signal word: WARNING

Danger symbols



Standard hazard statements

H315 It irritates the skin

H319 Causes serious eye irritation

Precautionary statements P280 Wear

protective clothing.

Rinse IF ON SKIN: Wash with plenty of soap and water P302+352 IF IN EYES:

rinse thoroughly with water for several minutes. Remove contact lenses if P305+351+338 are in place and can be easily removed. Continue

irritation occurs: Get medical attention/treatment If eye irritation persists: Get medical attention/

treatment

P332+313

P337+313

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Hazardous ingredients that must be listed on the label

2.3 Other hazards None specific.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Product characteristics

3.1 Substances / 3.2 Mixtures

CAS number: 2216-51-5	L-menthol	100 %
EINECS number: 218-690-9	Xi; R36/38	
REACH number:	Eye Irrit. 2 Skin Irrit. 2 H319 H315	

The full wording of R-phrases and H-phrases is given in point 16.1.

4. FIRST AID INSTRUCTIONS

4.1 Description of first aid In case

of health problems, or in case of doubt or accident, seek medical help and provide the doctor with the information from the safety data sheet. In all cases, ensure mental peace for the affected person and prevent catching a cold. Take care of your own protection when providing first aid.

The affected person is not breathing: artificial respiration must be carried out immediately.

Cardiac arrest: it is necessary to start indirect cardiac massage immediately.

Unconsciousness: it is necessary to place and transport the victim in a stabilized position on his side.

When inhaling

Move the victim to fresh air.

In contact with skin

Remove contaminated clothing, wash contaminated skin thoroughly with running water.

On contact with the eyes

Immediately flush wide open eyes with running water for at least 10 minutes. Find an eye doctor.

When ingested

Give plenty of water to drink, induce vomiting. Seek medical attention.

4.2 Most important acute and delayed symptoms and effects Eye and skin irritation.

4.3 Indication of any immediate medical attention and special treatment needed

In case of contact with the eyes and after ingestion, seek medical attention.

5. FIRE FIGHTING MEASURES

5.1 Liability

Suitable extinguishing agents

CO2, foam, powder.

Unsuitable fire extinguishers

Information not available.

5.2 Special hazards arising from the substance or mixture The product is flammable. In case of fire, dangerous gases and vapors can be produced.

5.3 Instructions for firefighters

Do not stay in the danger zone without self-contained breathing apparatus.

Additional

information Information is not available.

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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal protection measures, protective equipment and emergency

procedures Use personal protective equipment. Usual precautions when handling chemicals. Avoid dust generation, do not inhale dust.

6.2 Environmental protection measures

Prevent leakage into underground, surface and waste waters, soils and sewers.

6.3 Methods and material for containment and cleaning

Collect in a suitable replacement container, dispose of in accordance with regulations. Avoid dust generation.

6.4 Reference to other sections

See others. sections 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Use personal protective equipment (see point 8). Follow the rules for working with chemicals. Do not eat, drink or smoke while working. After work and before eating, wash your hands with soap and water and treat with repair cream.

7.2 Conditions for safe storage of substances and mixtures, including incompatible substances and

mixtures Store in tightly closed containers in a cool, dry place at temperatures of 5 - 25°C. Store packaging separately from food.

7.3 Specific end use / specific end use

No data available.

8. EXPOSURE CONTROL / PERSONAL PROTECTIVE EQUIPMENT

8.1 Control parameters

None.

8.2 Exposure controls

Keep away from food, drink and feed. Remove clothing contaminated with the product immediately. Follow the rules for working with chemicals. After work and before eating, wash your hands with soap and water and treat with repair cream.

Respiratory protection
In case of dust formation.

Hand protection
Protective gloves impermeable to the product.

Eye protection
Protection glasses.

Skin protection
Information not available.

Limiting environmental exposure
Information not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Color	solid
Odor (aroma)	
	white characteristic

Size	Value	Unit
pH value	information not available	216
Boiling point (boiling point range)	°C 41 - 44 °C	information
Melting point (melting point range)	not available	°C
Freezing point		

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Point of ignition	> 100	°C
Ignition temperature	405	°C
Gas class	information not available information	-
Combustibility	not available information not available	-
Spontaneous ignition	information not available 7 0.8	-
Explosive properties	information not available 0.431	-
Explosive limits γ upper limit γ lower limit		obj. %
		obj. %
Oxidizing properties	(slightly miscible) information not	-
Solubility γ in water γ in fats	available 3.3 information not	g/l
(including oil specification)	available g.cm-3	-
Partition coefficient n-octanol/water		-
Miscibility		-
Density	information not available information	
Dynamic viscosity	not available mPa.s S.cm-1	
Conductivity	information not available information	
Vapor tension	not available hPa information not available	
Relative vapor density	information not available dm3 .h-1	-
Evaporation rate		

9.2 Additional Information

Soluble in ethanol.

10. STABILITY AND REACTIVITY

10.1 Reactive

Data not available.

10.2 Chemical stability

There is no danger of decomposition if the conditions of handling and storage are observed.

10.3 Possibility of hazardous reactions

None, under normal conditions of storage and handling.

10.4 Conditions to be avoided

There is no risk of decomposition if handling and storage conditions are observed.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Irritating to eyes, skin and mucous membranes.

After ingestion, it causes vomiting, nausea and stomach cramps.

Systemic effects: dizziness, fatigue, ataxia (movement coordination disorder).

Acute toxicity

- LD50 oral, rat (mg.kg-1): 3300 • LD50 dermal, rabbit (mg.kg-1): > 5000 • LC50 inhalation, rat, for aerosols or particles (mg.dm-3): no information available available

- LC50 by inhalation, rat, for gases and vapors 4 h, (mg.dm-3): no information available

Irritability and corrosiveness

Information not available.

Sensitization

Information not available.

Repeated dose toxicity

Information not available.

Carcinogenic

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Information not available.

Mutagenita

Information not available.

Reproductive toxicity

Information not available.

More information

Riziko tvorby methemoglobinu.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

- LC0, 96 hours, fish (mg.dm-3): • 16
- LC50, 48 hours, daphnia (mg.dm-3): • information not available
- EC50, 72 hours, algae (mg.dm-3): • information not available 237
- LC50 , bacteria (mg.dm-3):

12.2 Persistence and degradability No

information available.

12.3 Bioaccumulative potential No

information available.

12.4 Mobility in soil

Information not available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects No

information available.

13. DISPOSAL INSTRUCTIONS

13.1 Methods of removing the substance or preparation and contaminated packaging

The marked waste should be handed over for removal, including the waste identification sheet, to a specialized company authorized for this activity.

Act No. 185/2001 Coll., on waste as amended.

If this product and its packaging become waste, the end user must assign the corresponding waste code according to Decree No. 381/2001 Coll. as amended.

Act No. 477/2001 Coll. on packaging as amended.

14. SHIPPING INFORMATION

14.1 UN number not applicable

14.2 UN proper name for the shipment not applicable

14.3 Transport hazard class/classes not applicable

14.4 Packaging group not applicable

14.5 Environmental hazard not applicable

14.6 Special safety measures for users No dangerous goods in the sense of traffic regulations.

14.7 Bulk transport according to Annex II of MARPOL 73/78 and the IBC Regulation

No information available.

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15. REGULATORY INFORMATION

This safety data sheet was created in accordance with the Regulation of the European Parliament and the Council (EC) No. 1907/2006 (REACH).

15.1 Regulations relating to safety, health and the environment / specific legal regulations relating to substance or mixture

- REACH Regulation: Regulation of the European Parliament and of the Council (EC) No. 1907/2006 on registration, evaluation, authorization and restriction of chemical substances, as amended.
- CLP Regulation: Regulation (EC) No. 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging mixtures of substances; as amended
- DSD/DPD Directive: Directive 67/548/EEC and Directive 1999/45/EC
- Act No. 356/2003 Coll. on chemical substances as amended
- Government Regulation No. 361/2007 Coll., which establishes the conditions for health protection at work
- Act No. 185/2001 Coll. about waste
- Decree No. 381/2001 Coll. Catalog of waste
- Decree No. 383/2001 Coll. on waste management details
- Act No. 477/2001 Coll. on packaging as amended
- Act No. 258/2000 Coll. on the protection of public health

15.2 Chemical safety assessment A chemical safety assessment has not been prepared for the product.

16. OTHER INFORMATION

List of H-phrases and R-phrases used in points 2 and 3

H315 Irritating to skin

H319 Causes serious eye irritation

R 36/38 Irritating to eyes and skin

Training Guidelines

- See § 101 et seq. of the Labor Code.
- Familiarize workers with the recommended method of use, mandatory protective equipment, first aid and prohibited manipulations with the substance/preparation.

Recommended use restrictions

The substance / mixture should not be used for any purpose other than that for which it is intended (see point 1.2). As the specific conditions of use of the substance/mixture are beyond the supplier's control, it is the user's responsibility to adapt the prescribed warnings to local laws and regulations.

The safety information describes the product in terms of safety and cannot be considered as technical information about the product.

More information

- The safety data sheet was processed:
Ekokoza.cz

Hugo Capek
Lesní Jakubov 21
67573 Rapotic

Sources of data used to compile the safety data sheet

The information provided here is based on the best of our knowledge and current legislation. The safety data sheet was prepared based on the original safety data sheet provided by the supplier.

Changes during the revision of the safety data sheet

Version B – 10.1.2010 •

Overall revision of the safety data sheet according to EC Regulation No. 1272/2008

- This edition of the safety data sheet supersedes all previous versions of the safety data sheet.