

1.) Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Trade name

(-)-MentholUse of the substance/preparation
flavouring or odorous substances; food additives

Company/undertaking identification

Address

HELM AG
Nordkanalstraße 28
D-20097 Hamburg
Telephone no. +49(0)40 / 2375-0
Fax no. +49(0)40 / 2375-1845Information provided by / telephone
Telephone: +49(0)40 / 23750 Fax: +49(0)40 / 23751845

Emergency telephone

For medical advice (in German and English):
+49 (0)551 192 40 (Giftnformationszentrum Nord)
In case of transport incidents and other emergencies (advice in German and English):
+44 (0)208 762 8322 (NCEC, National Chemical Emergency Centre)

Advice on Safety Data Sheet

SDB@HELMAG.COM

2.) Hazards identification

Classification

Xi; R36

R66

Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

Hazard symbols

Xi

Irritant

R phrases

36

66

Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

3.) Composition / information on ingredients

Chemical characterization

L-menthol

Substance / product identification

CAS no. 2216-51-5

EC no. 218-690-9

4.) First aid measures

General information

In case of persisting adverse effects, consult a physician. Change contaminated, saturated clothing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion

Seek medical advice immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

5.) Fire-fighting measures

Suitable extinguishing media

Foam; Carbon dioxide; extinguishing powder; Water spray jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In the event of fire, the following can be released:

Carbon dioxide (CO₂)

Carbon monoxide (CO)

Fire gas of organic material has to be classed invariably as respiratory poison.

Special protective equipment for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Wear protective clothing.

6.) Accidental release measures

Personal precautions

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Avoid dust formation. Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up/taking up

Pick up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations".

7.) Handling and storage

Handling

Advice on safe handling

No special measures necessary if stored and handled as prescribed. Avoid the formation and deposition of dust. Provide good ventilation of working area (local exhaust ventilation, if necessary).

Advice on protection against fire and explosion

Dust can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition.

Storage

Requirements for storage rooms and vessels

Store product in closed containers.

Advice on storage assembly

None known

Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

8.) Exposure controls / personal protection

Exposure limit values

NONE

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Hand protection

In case of intensive contact, wear protective gloves (EN 374). Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	nitrile	
Material thickness	> 0,3	mm
Breakthrough time	> 480	min.
Appropriate Material	rubber	
Material thickness	> 0,5	mm
Breakthrough time	> 240	min.

Eye protection

Safety glasses (EN 166)

Skin protection

Clothing as usual in the chemical industry.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Have eye wash fountain available. Do not inhale dust.

9.) Physical and chemical properties

General information

Form	crystalline
Colour	white
Odour	camphor-like

Important health, safety and environmental information
Changes in physical state

Type	Melting range	
Value	42	°C
Type	Boiling point	
Value	212	°C
Flash point		
Value	101	°C
Density		
Value	0,89	g/cm ³
Reference temperature	20	°C
Solubility in water		
Remarks	slightly soluble	

10.) Stability and reactivity
Conditions to avoid

No hazardous reactions known.

Hazardous decomposition products

No hazardous decomposition products known.

Thermal decomposition

Remarks
No decomposition if used as prescribed.

11.) Toxicological information
Acute toxicity

Acute oral toxicity		
LD50	3180	mg/kg
Species	rat	
Acute dermal toxicity		
LD50	>	5000 mg/kg
Species	rabbit	

Irritant/corrosive effects
Irritant effect on skin

Evaluation

slightly irritant

Irritant effect on eyes

Species

Evaluation

Method

rabbit eye

irritant

Draize method

Experience in practice

Irritates the mucous membrane.

12.) Ecological information
Persistence and degradability

Biodegradability

Evaluation

biodegradable

Other adverse effects

Ecological data are not available.

Do not discharge product unmonitored into the environment.

13.) Disposal considerations
Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

14.) Transport information
Other information (chapter 14.)

No hazardous material as defined by the transport regulations.

15.) Regulatory information

Labelling in accordance with EC directives

The product is classified and labelled in accordance with EC directives/GefStoffV (German regulations on dangerous substances).
EC no. 218-690-9 (L-menthol)

Hazard symbols

Xi Irritant

R phrases

36 Irritating to eyes.
66 Repeated exposure may cause skin dryness or cracking.

S phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36 Wear suitable protective clothing.

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

16.) Other information

Further information

The information is based on our current knowledge however it does not represent a guarantee of product properties nor does it create any legal obligation.

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Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.
Regulation (EC) No 1907/2006 (REACH) as amended in each case.
EC Directives 2000/39/EC, 2006/15/EC as amended in each case.
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA, as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.