

**Menthol Crystal CAS
No 29061100**

**MATERIAL SAFETY DATA SHEET
SDS/MSDS**

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product identifiers

Product name: **Menthol Crystal**

CAS-No. : 29061100

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

Laboratory chemicals, Industrial & for professional use only.

1.3 Details of the supplier of the safety data sheet

Company: **RAWPHARMA BIZ PRIVATE LIMITED**
18/A NIRANT PARK,
OPPOSITE SUN-N-STEP CLUB,
SOLA ROAD,
AHMEDABAD-380061

Telephone: 98795 22397
Email : info@rawpharmabiz.com

1.4 Emergency telephone number

Emergency Phone # : 8320310672 (10:00am - 05:00 pm) [Office hours]

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008

Skin irritation (Category 2), H315
Eye irritation (Category 2), H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 Pictogram



Signal word

Warning Skin Irritation

Hazard statement(s)

H315

Causes skin irritation.

H319

Causes serious eye irritation.

Precautionary statement(s)

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements

none

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients 3.1 Substances

Synonyms : (1*R*,2*S*,5*R*)-(-)-Menthol
(-)-Menthol
5-Methyl-2-(1-methylethyl) cyclohexanol
(1*R*,2*S*,5*R*)-2-Isopropyl-
5methylcyclohexanol

Formula : C₁₀H₂₀O
Molecular weight : 156,27 g/mol
CAS-No. : 2216-51-5
EC-No. : 218-690-9

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
L-Menthol		
CAS-No.	2216-51-5	Skin Irrit. 2; Eye Irrit. 2; H315, <= 100 %
EC-No.	218-690-9	H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

SECTION 6: Accidental release measures 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections For disposal see section 13.

SECTION 7: Handling and storage 7.1

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Handle and store under inert gas. Air and moisture sensitive.

Storage class (TRGS 510): Non-Combustible Solids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection 8.1 Control parameters Components with workplace control parameters 8.2 Exposure controls Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands. Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties 9.1 Information on basic physical and chemical properties

- a) Appearance Form: crystalline
Colour: colourless
- b) Odour No data available
- c) Odour Threshold No data available
- d) pH No data available
- e) Melting point/freezing point Melting point/range: 42 - 45 °C - lit.
- f) Initial boiling point and boiling range 212 °C - lit.
- g) Flash point 101 °C - closed cup
- h) Evaporation rate No data available
- i) Flammability (solid, gas) No data available
- j) Upper/lower flammability or explosive limits No data available
- k) Vapour pressure No data available
- l) Vapour density No data available
- m) Relative density 0,89 g/cm³ at 25 °C
- n) Water solubility 0,397 g/l - OECD Test Guideline 105
- o) Partition coefficient: noctanol/water log Pow: 3,25
- p) Auto-ignition temperature No data available
- q) Decomposition temperature No data available
- r) Viscosity No data available
- s) Explosive properties No data available
- t) Oxidizing properties No data available

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9.2 Other safety information No data available

SECTION 10: Stability and reactivity

10.1 Reactivity No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions No data available **10.4 Conditions to avoid** No data available **10.5 Incompatible materials** Strong oxidizing agents **10.6 Hazardous decomposition products**

Other decomposition products - No data available
In the event of fire: see section 5

SECTION 11: Toxicological information 11.1 Information on toxicological effects Acute toxicity

LD50 Oral - Cat - 800 mg/kg

Inhalation: No data available

LD50 Dermal - Rabbit - > 5.000 mg/kg LD50

Intraperitoneal - Rat - 700 mg/kg

Remarks: Behavioral:General anesthetic. Behavioral:Altered sleep time (including change in righting reflex).
Respiratory disorder

LD50 Intraperitoneal - Mouse - 6.600 mg/kg

LD50 Intraperitoneal - Cat - 800 mg/kg

LD50 Subcutaneous - Rat - 1.000 mg/kg

LD50 Subcutaneous - Mouse - 5.000 mg/kg

Skin corrosion/irritation

Skin - Rabbit

Result: Moderate skin irritation

Serious eye damage/eye

irritation Eyes - Rabbit

Result: Moderate eye irritation

Respiratory or skin sensitisation No

data available

Germ cell mutagenicity No

data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity No

data available

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Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure No

data available

Aspiration hazard No

data available **Additional**

Information

RTECS: OT0700000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

LC50 - Brachydanio rerio (zebrafish) - 15,6 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates

EC50 - Daphnia magna (Water flea) - 26,6 mg/l - 48 h (Tested according to Directive 92/69/EEC.)

Toxicity to algae

ErC50 - Desmodesmus subspicatus (green algae) - 21,4 mg/l (Tested according to Directive 92/69/EEC.)

Toxicity to bacteria

EC50 - activated sludge - 237 mg/l - 72 h
(OECD Test Guideline 209)

12.2 Persistence and degradability

Biodegradability

Result: 92 % - Readily biodegradable

12.3 Bioaccumulative potential Indication of bioaccumulation.

12.4 Mobility in soil No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects Harmful to aquatic life.

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging Dispose of as unused product.

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SECTION 14: Transport information 14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name ADR/RID:

Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Rawpharma Biz Pvt Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.rawpharmabiz.com for additional terms and conditions of sale.