SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

Product Name: Menthol Crystals



Natural Mint Products, Natural Essential Oils, Natural Isolates & Specialities 2 K.M. Stone, Moradabad Road, Sambhal-244302, (U.P.) INDIA Phone : +91-5923-231924, 230624, 232373. Fax : +91-5923-231564 Email : aa@mentholcrystals.net.in, Website : www.aroraaromatics.com

AROMATICS P

Version 6.0

Revision Date 13.08.2022

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

1.1 Product identifiers

Product name	:	Menthol Crystals
Synonyms	:	Hexa Hydro Thymol
REACH No.	:	01-2119458866-21-0040
CAS-No.	:	2216-51-5
EC No.	:	218-690-9

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

Identified uses : Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company	:	Arora Aromatics Pvt Ltd	
		2-Km Stone Moradabad Road	
		Sambhal-244302 (UP) India	

1.4 Emergency Contact

Emergency Phone No.	:	+91 5923 232373
Email	:	qa@mentholcrystals.net.in

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 Regulation (EC) No 1272/2008 Pictogram



GMP

IF

Signal word

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ARORA AROMATICS PVT. LTD. Natural Mint Products, Natural Essential Oils, Natural Isolates & Specialities

ARORA2K.M.Stone, MoradabadRoad, Sambhal-244302, (U.P.)INDIAPhone : +91-5923-231924, 230624, 232373.Fax : +91-5923-231564Email : aa@mentholcrystals.net.in, Website : www.aroraaromatics.com

Hazard statement(s) H315 H319	Causes skin irritation. Causes serious eye irritation.
Precautionary statement(s) P264 P280 P302 + P352 P305 + P351 + P338	Wash skin thoroughly after handling. Wear protective gloves/ eye protection/ face protection. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 P337 + P313	If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention.
Supplemental Hazard Statements	none

Reduced Labeling (<= 125 ml)

Pictogram

Signal word	Warning
Hazard statement(s)	none
Precautionary statement(s)	none
Supplemental Hazard Statements	none

2.3 Other hazards

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.

SECTION 3: Composition/information on ingredients

3.1 Substances

EC-No.

Synonyms	(1R,2S,5R)-((1R,2S,5R)-2-Isopropyl-5-methylcyclohexanol (1R,2S,5R)-(–)-Menthol 5-Methyl-2-(1-methylethyl)cyclohexanol (–)-Menthol	
Formula Molecular weight CAS-No. EC-No.	: C ₁₀ H ₂₀ O : 156,27 g/mc : 2216-51-5 : 218-690-9	bl	
Component		Classification	Concentration
(1R,2S,5R)-(-)-menthol			
CAS-No.	2216-51-5	Skin Irrit. 2; Eye Irrit. 2;	98.0 -100.0%

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

FDA

H315, H319

The Can

218-690-9

GMP



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SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

Show this material safety data sheet to the doctor in attendance.

If inhaled

After inhalation: fresh air.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

In case of eye contact

After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

If swallowed

After swallowing: immediately make victim drink water (two glasses at most). 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 Carbon dioxide (CO2) Foam Dry powder

Unsuitable extinguishing media For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

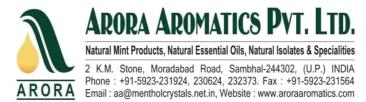
Carbon oxides Combustible. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

5.4 Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.



SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

6.2 Environmental precautions Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions Tightly closed. Dry.

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

Ingredients with workplace control parameters

8.2 Exposure controls

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves. Full contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:KCL

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This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves. Splash contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:KCL

Body Protection

protective clothing

Respiratory protection

Recommended Filter type: Filter A-(P2)

The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Control of environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

			rysical and ellemeat properties	
	a)	Appearance	Form: crystalline Color: white	
	b)	Odor	characteristic, aromatic	
	c)	Odor Threshold	No data available	
	d)	рН	No data available	
	e)	Melting point/freezing point	Melting point/range: 41 - 44 °C - lit.	
	f)	Initial boiling point and boiling range	212 °C - lit.	
	g)	Flash point	94 °C - closed cup - ISO 3679	
	h)	Evaporation rate	No data available	
	i)	Flammability (solid, gas)	No data available	
	j)	Upper/lower flammability or explosive limits	No data available	
	k)	Vapor pressure	0,19 hPa at 25 °C - Regulation (EC) No. 440/2008, Annex, A.4	
	I)	Vapor density	No data available	
	m)	Relative density	No data available	
	n)	Water solubility	0,397 g/l at 20 °C - OECD Test Guideline 105- partly soluble	
	o)	Partition coefficient:	log Pow: 3,15 at 25 °C - Regulation (EC) No. 440/2008, Annex,	
		n-octanol/water	A.8 - Bioaccumulation is not expected.	
				Pa

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- p) Autoignition No data available temperature
- q) Decomposition No data available temperature
- r) Viscosity Viscosity, kinematic: No data available Viscosity, dynamic: No data available
- s) Explosive properties No data available
- t) Oxidizing properties No data available

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Forms explosive mixtures with air on intense heating.

A range from approx. 15 Kelvin below the flash point is to be rated as critical. The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

10.3 Possibility of hazardous reactions

Violent reactions possible with: Strong oxidizing agents

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity No data available

LC50 Inhalation - Rat - male and female - 4 h - 5.289 mg/l (OECD Test Guideline 403)

Skin corrosion/irritation

Skin - Rabbit Result: irritating - 4 h (OECD Test Guideline 404)

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Serious eye damage/eye irritation

Eyes - Rabbit Result: irritating (OECD Test Guideline 405)

Respiratory or skin sensitization Local lymph node assay (LLNA) - Mouse

Result: negative (OECD Test Guideline 429)

Germ cell mutagenicity

Carcinogenicity No data available

Reproductive toxicity No data available

Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard No data available

11.2 Additional Information

RTECS: 0T0700000

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

SECTION 12: Ecological information

12.1 Toxicity

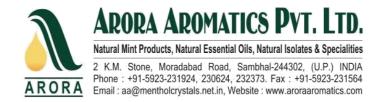
demand

	Toxicity to fish	static test LC50 - Danio rerio (zebra fish) - 15,6 mg/l - 96 h (Directive 67/548/EEC, Annex V, C.1.)	
<i>i i i</i>		static test EC50 - Daphnia magna (Water flea) - 26,6 mg/l - 48 h (OECD Test Guideline 202)	
	Toxicity to algae	static test ErC50 - Desmodesmus subspicatus (green algae) - 21,4 mg/l - 72 h (OECD Test Guideline 201)	
	Toxicity to bacteria	static test EC50 - activated sludge - 237 mg/l - 3 h (OECD Test Guideline 209)	
12.2 Persistence and degradability Biodegradability aerobic - Exposure time 28 d		radability aerobic - Exposure time 28 d	
	<u> </u>	Result: 92 % - Readily biodegradable. (OECD Test Guideline 301D)	
	Theoretical oxygen	2.970 mg/g	

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Remarks: (Lit.)



12.3 Bioaccumulative potential

No data available

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 No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

According to regulation and procedure.

SECTION 14: Transport informat	tion			
14.1 UN number ADR/RID: -	IMDG: -	IATA: -		
14.2UN proper shipping name ADR/RID:ADR/RID:Not dangerous good IMDG:IMDG:Not dangerous good Not dangerous good	ods			
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 use	er			

Further information

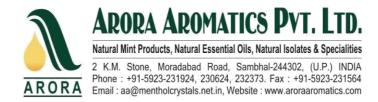
Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.





National legislation

: Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Other regulations

Take note of Dir 94/33/EC on the protection of young people at work.

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.

Relevant changes since previous version

2. Hazards identification

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. Arora Aromatics Pvt Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

Quality Assurance Arora Aromatics Pvt Ltd