



6299 Route 9N
Hadley, NY 12835
Phone (518) 696-9900
(800) 848-0658
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SAFETY DATA SHEET

1. Product Identification

Product Name	Menthol Crystal USP
CAS No.	2216-51-5
EINEC No.	218-690-9
Molecular Weight	156.3 g/mole
Molecular Formula	C ₁₀ H ₂₀ O
Other Name	Menthol Crystal, Levo Menthol
Recommended Use	Flavouring substances, food additives
Pharmacopoeia	USP, EP, BP, JP, IP
Distributed By	AEP Colloids Division of Sarcom Inc. 6299 Route 9N Hadley NY 12835 USA

2. Hazards Identification

Classification of the substance or mixture
Classification in accordance with Regulation
(EC) No. 1272/2008CLP
Label Element
Labeling according to Regulation
(EC) No. 1272/2008(CLP Regulation)
Hazard Pictograms

Skin irritant 2; H315

Product Identifier : 2216-51-5



Signal word
Hazard Statements

Warning
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.
P264 : Wash hand thoroughly after handling
P302+P352 : IN ON SKIN: Wash with plenty of soap and water.
P280 : Wear protective gloves/ eye protection/ face protection.
P305 + P3351+ P338 : IF IN EYES Rinse cautiously with water for several minutes
Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 : If skin irritation occurs; Get medical advice / attention.
P337=P313 : If eye irritation persists :Get medical advice / attention

Precautionary Statement

3. Composition/Information on Ingredients

Chemical Name
INCI
Synonyms

(1R,2S,5R)-2-isopropyl-5-methylcyclohexanol
Menthol
3-p-Menthanol
Hexahydrothymol
Menthomenthol
Peppermint camphor

CAS No.
EINEC No.
Molecular Weight
Molecular Formula
Percent by weight

2216-51-5
218-690-9
156.3 g/mole
C₁₀H₂₀O
100%



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4. First Aid Measures

Eye Contact
Skin Contact
Inhalation

Ingestion

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
Wash off with soap and plenty of water. Consult a physician.
If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Consult a physician.
Rinse mouth and seek medical attention immediately. Do not induce vomiting. Loosen
Tight clothing such as collars, ties, belts etc. If the victim is not breathing, perform mouth to
mouth resuscitation.

5. Fire-Fighting Measures

Suitable Extinguishing media
**Special Exposure hazards arising from the
substance or preparation itself, combustion
products, resulting gasses**
Special Protective equipment for fire fighters
**Explosion Hazards in Presence of Various
Substances**
Special Remarks on Fire Hazards

6. Accidental Release Measures

Personal Precaution

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

Wear self-contained breathing apparatus for firefighting if necessary.
Risks of explosion of the product in presence of mechanical impact: Not available

When heated to decomposition it emits acrid smoke and irritating fumes.

Environmental Precautions

7. Handling and Storage

Precautions for safe handling

**Conditions for safe storage, including any
incompatibilities**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or
gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

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

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide
appropriate exhaust ventilation at places where dust is formed. Normal measures for
preventive fire protection.
Keep away from source of heat and ignition, store tightly closed in cool places. Store in cool
place. Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits
Ventilation System

Skin Protection

Eye Protection

None established.
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations
of vapors below their respective threshold limit value. Ensure that eyewash stations and
safety showers are proximal to the work-station location
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls,
as appropriate, to prevent skin contact.
Use chemical safety goggles and/or full face shield where dusting or splashing of solutions
is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance
Odor
Odor threshold
pH
Melting Point
Boiling Point
Flash Point
Evaporation Rate (BuAc=1)
Flammability
Upper/lower flammability or explosive limits
Vapor Pressure (mm Hg)
Vapor Density (Air=1)
Relative Density
Solubility
Partition coefficient: n-octanol/water
Auto-ignition temperature
Decomposition temperature
Viscosity

Clear Crystalline and Colorless
Penetrating resembling that Peppermint
No information found
No information found
42 °C (107.6 °F)
212°C
93.4 °C – closed cup
No information found
No information found
No information found
No information found
No information found
0.896@25°C
Very soluble in alcohol
No information found
No information found
No information found
No information found



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10. Stability and Reactivity

Reactivity

No information found

Chemical Stability

Stable under ordinary conditions of use of storage

Possibility of hazardous reactions

No information found

Conditions to Avoid

Heat, flames, ignition sources and incompatibles.

Incompatible materials

Strong oxidizers, phenol, chloral hydrate beta-naphthol, pyrogallol, and resorcinol or thymol in titrations.

Carbon dioxide and carbon monoxide form when heated to decomposition.

Hazardous Decomposition Products

11. Toxicological Information

Routes of Entry

Absorbed through skin. Eye contact

Toxicity to Animals

Not Available

Chronic Effects on Humans

Not Available

Other Toxic Effects on Humans

Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in

case skin contact (permeator).

Special Remarks on Toxicity to Animals

Acute Oral LD50: 3180 mg/kg [Rat]

Special Remarks on Chronic Effects on Humans

Not Available

12. Ecological Information

Eco toxicity

Not Available

BOD5 and COD

Not Available

Products of Biodegradation

Not Available

Toxicity of the Products of Biodegradation

Not available. Do not discharge substance unmonitored in to the environment. Indication of bioaccumulation.

13. Disposal Considerations

Waste Disposal

Waste must be disposed of in accordance with federal, state and local environmental Control regulations. Do not put into sewer lines. Dispose of according to local, state and federal regulations.

14. Transport Information

Transport Information

Not Regulated

15. Regulatory Information

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

Safety, health & environmental regulation/legislation specific for the substance or mixture

No data available

Chemical Safety Assessment

No data available

16. Other Information

References

No data available

Other Special Considerations

No data available

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