

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Thymol Crystal	Supplier:	ASES CHEMICAL WORKS.
Synonyms:	2-isopropyl-5-methylphenol	Address:	Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India
INCI Name:	N/A	Phone:	+91-9636889954
CAS Number:	89-83-8	Web:	www.ases.in
Chemical Formula:	C ₁₀ H ₁₄ O	Email :	ecom@ases.in
Product Form:	Solid (Crystal)		
Product Use:	Laboratory chemicals, Manufacture of substances		

2 HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Based on available data, the classification criteria are not met

Label Elements	None required
Hazards not otherwise classified (HNOC)	H302 - Harmful if swallowed.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No	EC Number	Formula	Mol. Weight	Concentration
Thymol Crystal	89-83-8	201-944-8	C ₁₀ H ₁₄ O	150.22	<= 100 %

4 FIRST AID MEASURES

General advice	Call a physician immediately.
If inhaled	If breathed in, move person into fresh air. Consult a physician.
Skin contact	Take off contaminated clothing and shoes immediately. Wash off with plenty of water. Consult a physician.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.
Swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5 FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray. Dry powder. Foam.
Unsuitable extinguishing media	Do not use a heavy water stream.
Special hazards arising from the substance or mixture	Toxic fumes may be released.
Advice for firefighters	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions :	Use required personal protective equipment. Ensure adequate ventilation. Avoid dust formation.
Environmental Precautions:	Do not contaminate water. Avoid release to environment. Retain and dispose of contaminated wash water. Contact local authorities in case of spillage to drain/aquatic environment.
Clean up procedure :	Collect spillage. Mechanically recover the product. Clear up rapidly by scoop or vacuum. Dispose of materials or solid residues at an authorized site.

7 HANDLING & STORAGE

Handling:	Ensure good ventilation of the work station. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
Storage:	Keep container tightly closed. Store in original container. Store in a dry place. Store locked up. Store in a well-ventilated place. Keep cool.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	Ensure good ventilation of the work station.
Eye/face protection:	Chemical goggles or safety glasses.
Skin and body protection:	Wear a mask. Protective gloves
Respiratory protection:	Wear appropriate mask.
Environmental exposure:	Avoid release to the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid Crystals.	Decomposition	Not available
Color	Colorless	pH	5 – 7 (in aqueous solution: 0.8 g/L, 20°C)
Odor	thyme-like odor. Pungent.	Viscosity, kinematic	Not available
Melting point	48 – 51 °C	Viscosity, dynamic	Not applicable
Freezing point	No data available	Water solubility	Water: 0.8 g/l
Boiling point	232°C	Partition coefficient	3.3 (n-octanol/water (Log Pow))
Flammability	Non flammable	Vapor pressure	0.022 hPa at 25°C
Explosive limits	Not applicable	Density	0.965 g/cm ³
Flash point	116 °C (closed cup)	Relative density	Not available
Autoignition	Not applicable	Bulk density	Not available

10 STABILITY AND REACTIVITY

Reactivity:	Thermal decomposition generates : Corrosive vapours.
Stability:	Stable under normal conditions of use.
Hazardous reactions :	No dangerous reactions known under normal conditions of use.
Conditions to avoid:	Direct sunlight. Overheating. Open flame. Heat. Sparks.
Incompatible materials:	No additional information available.
Hazardous decomposition products:	Thermal decomposition generates : Corrosive vapours.

11 TOXICOLOGICAL INFORMATION

Acute toxicity (oral):	No acute toxicity information is available for this product.	
Skin corrosion/irritation	No information available	
Serious eye damage/eye irritation	No information available	
Respiratory or skin sensitisation	Not classified	
Germ cell mutagenicity	No data available	
Carcinogenicity	Not classified	
Reproductive toxicity	Not classified	
Specific target organ toxicity	Single/Repeated exposure	Not classified
Aspiration hazard	Not classified	

12 ECOLOGICAL INFORMATION

Ecology - general:	Toxic to aquatic life with long lasting effects.
Ecology - water:	Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment,	
Short-term (acute):	Not classified
Long-term (chronic):	Toxic to aquatic life with long lasting effects.
Persistence and degradability	May cause long-term adverse effects in the environment.
Bioaccumulative potential	Partition coefficient n-octanol/water (Log Pow) – 3.3
Mobility in soil	No additional information available
Results of PBT and vPvB assessment	No additional information available.
Other adverse effects	No additional information available

MATERIAL SAFETY DATA SHEET

THYMOL CRYSTAL

13 DISPOSAL CONSIDERATIONS

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions. Dispose to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

14 TRANSPORT INFORMATION

In accordance with

DOT : Not regulated
TDG : Not regulated
IATA : Not regulated
IMDG/IMO : Not regulated

15 REGULATORY INFORMATION

Reach annex xvii (restriction list)	No reach annex xvii restrictions
Reach annex xiv (authorisation list)	Thymol crystal extra pure is not on the reach annex xiv list
Reach candidate list (svhc)	Thymol crystal extra pure is not on the reach candidate list
Pic regulation (prior informed consent)	Thymol crystal extra pure is not subject to regulation (eu) no 649/2012 of the european parliament and of the council of 4 july 2012 concerning the export and import of hazardous chemicals.
Pop regulation (persistent organic pollutants)	Thymol crystal extra pure is not subject to regulation (eu) no 2019/1021 of the european parliament and of the council of 20 june 2019 on persistent organic pollutants
Ozone regulation (1005/2009)	Thymol crystal is not subject to regulation (eu) no 1005/2009 of the European parliament and of the council of 16 september 2009 on substances that deplete the ozone layer.
Explosives precursors regulation (2019/1148)	Contains no substance subject to regulation (eu) 2019/1148 of the European parliament and of the council of 20 june 2019 on the marketing and use of explosives precursors.
Drug precursors regulation (273/2004)	Contains no substance(s) listed on the drug precursors list (regulation ec 273/2004 on drug precursors)
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out

16 OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.