



# **SAFETY DATA SHEET**

## **1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY**

Catalogue No. : T 14217  
Product Name : THYMOL CRYSTALS

Manufacturer / supplier identification  
Company : NICE Chemicals (P) Ltd. , Cochin , India  
Tel - 0484 2800212 , 2802755

Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483  
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

## **2. COMPOSITION / INFORMATION ON INGREDIENTS**

Synonyms : 5-methyl-2-(1-methylethyl)phenol; 1-Methyl-3-hydroxy-4-isopropylbenzene.

CAS-No : 89-83-8 EC Index No. : 604-032-00-1  
Molar mass : 150.22  
Molecular Formula : C<sub>10</sub>H<sub>14</sub>O EC –No. : 200-543-5

## **3. HAZARDS IDENTIFICATION**

Harmful if swallowed . Causes burns. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## **4. FIRST AID MEASURES**

After skin contact : Wash off with plenty of water .Dab with polyethylene glycol 400. Immediately remove contaminated clothing.  
After eye contact : Rinse out with plenty of water for atleast 10 minutes with the eyelid held wide open. Immediately summon eye specialist.  
After inhalation : Fresh air. Summon doctor.  
After swallowing : Make victim drink plenty of water (if necessary several litres), avoid vomiting(risk of perforation!). Immediately summon doctor. Do not attempt to neutralize.

## **5. FIRE – FIGHTING MEASURES**

Suitable extinguishing media : Water, powder.  
Special risks : Combustible .  
Special protective equipment for fire fighting : Do not stay in dangerous zone without suitable chemical protection clothing and self - contained breathing apparatus.  
Other information : Prevent fire-fighting water from entering surface water or ground water.

## **6. ACCIDENTAL RELEASE MEASURES**

Person-related precautionary measures : Avoid substance contact.  
Avoid generation of dusts; do not inhale dusts.  
Environmental –protection measures : Do not allow to enter sewerage system  
Procedures for cleaning /absorption : Take up dry. Forward for disposal.  
Clean up affected area .

## **7. HANDLING AND STORAGE**

Handling : No further requirements.  
Storage : Tightly closed . Dry. In a well-ventilated place. At+15°C to + 25°C.



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## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Personal protective equipment  
Respiratory protection : Require when dusts are generated.

Eye protection : Required  
Hand protection : Required

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene : immediately change contaminated clothing. Apply skin – protective barrier cream. Wash hands after working with substance.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	:	Solid
Colour	:	Colourless
Odour	:	Characteristic
pH value at 0.8g/l H <sub>2</sub> O(20°C)	:	5-7
Viscosity kinematic (50° C)	:	4.3 mm <sup>2</sup> /s
Viscosity kinematic (100°C)	:	1.4 mm <sup>2</sup> /s
Melting temperature	:	49-51 °C
Solidification point	:	49 °C
Boiling temperature	:	233 °C
(1013 mbar)	:	233 °C
Ignition temperature	:	283 °C
Flash point	:	104°C
Explosion limits lower	:	1.4 vol%
Upper	:	Not available
Vapour pressure (50°C)	:	2.5 hPa
Relative vapour density	:	Not available
Density (24°C)	:	0.97 g/cm <sup>3</sup>
(70° C)	:	0.93 g/cm <sup>3</sup>
Bulk density	:	600 kg/m <sup>3</sup>
Solubility in water (20°C)	:	Insoluble
Water(40°C)	:	1.4 g/l
LogP(oct)	:	3.3

## **10. STABILITY AND REACTIVITY**

Conditions to be avoided : No information available.  
Substance to be avoided : No information available.  
Hazardous decomposition products : No information available.

## **11. TOXICOLOGICAL INFORMATION**

Acute toxicity: LD<sub>50</sub> (oral, rat): 980 mg/kg. LD<sub>50</sub> (dermal, rat): > 2000 mg/kg.  
Further toxicological information : Naturally occurring substance.  
After inhalation of dusts : mucosal irritations, coughing, dyspnoea.



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After skin contact : Burns  
After eye contact : Burns  
After swallowing : Irritations of mucous membranes in the mouth, pharynx,  
oesophagus and gastrointestinal tract.

Systemic effects : CNS disorders cardiovascular disorders.  
Toxic effect on : kidneys ,liver. Effect potentiated by: ethanol

Further data :The product should be handled with the care usual when dealing  
with chemicals.

### **12. ECOLOGICAL INFORMATION**

Biologic degradation : Readily biodegradable.  
Degradability : COD: 2.2 g/g ; ThOD; 2.77 mg/l  
Behavior in environmental compartments : Distribution : log P(oct) : 3.3  
Ecotoxic effects : Fish toxicity : Br.rerio LC<sub>50</sub> : 5 mg/l/96 h.  
Daphnia toxicity : Daphnia magna EC 50 : 3.2 mg/l/96h. Toxic for aquatic  
organisms . May cause long-term adverse effects in the aquatic environment.

Further ecologic data :Do not allow to enter waters, waste water, or soil.

### **13. POSAL METHOD**

There are no uniform EC regulations for the disposal of chemicals or residues.  
Chemical residues generally count as special waste. The disposal of the latter is  
regulated in the EC member countries through corresponding laws and regulations  
We recommend that you contact either the authorities in charge or approved waste  
disposal companies which will advise you on how to dispose of special waste.

Disposal in compliance with official rgulations. Handle contaminated packaging in  
he same way as the substance itself. If not officially specified differently, non-  
contaminated packaging may be treated like household waste or recycled.

### **14. TRANSPORT INFORMATION**

GGVS/GGVE class : 8	Number and letter : 65c
Transport over land	ADR/RID class : 8 Number and letter : 65 c
ADR/RID & GGVS/GGVE	Name of material : 1759 THYMOL
Sea transport IMDG :	IMDG class : 8 UN-NO.: 1759 Packaging group : 111
	Ems : 8-15 MFAG : 760,4.3
	Correct technical name : THYMOL
Air transport :	ICAO/IATA : 8 UN/ID-No. : 1759 Packaging group : 111
ICAO-TI & IATA-DGR	Correct technical name : THYMOL

### **15. REGULATORY INFORMATION**

Labelling according to EC Directives

Symbol :	C	Corrosive
	N	Dangerous for the environment.



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R- Phrases : 22-34-51/53 Harmful if swallowed. Causes burns. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases : 26-28-36/37/39-45-61 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin. Wash immediately with plenty of water. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Avoid release to the environment . Refer to special instructions Safety data sheets.

EC-No. : 201-944-8 EC label

Water pollution class : 2 ( polluting substance) (own classification)

### **16. OTHER INFORMATION**

Reason for alteration  
Change in labelling.  
Change in the chapter on ecology.  
Change in the chapter on toxicology.

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

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