

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product:

Product number: TI0080

Name of material: Thymol, extra pure, Ph Eur, BP, NF

Use of the substance/preparation:

for pharmaceuticals synthesizing, antiseptic, disinfectant, cosmetics, manufacture of dyes.

Australian representation:

Chem-Supply Pty. Ltd.

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8.30am to 5:00pm, Monday to Friday

2. Composition/information on ingredients

Identification and amount of the components:

Synonyms: 5-Methyl-2-(1-methylethyl)phenol, 5-Methyl-2-isopropyl-1-phenol,

1-Methyl-3-hydroxy-4-isopropylbenzene

CAS: 89-83-8

Molecular weight: 150,22

EC index no.: 604-032-00-1

EC number: 201-944-8

Formula: C₁₀H₁₄O

Classified as hazardous according to criteria of NOHSC

3. Hazards identification

Hazards classification for the substance according to the European directives:

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

4. First aid measures

After inhalation: Fresh air. Summon doctor.

After skin contact: wash off with plenty of water. Dab with polyethylene glycol 400. Immediately remove contaminated clothing.

After ingestion: make victim drink plenty of water, avoid vomiting (risk of perforation!) . Immediately summon doctor. Do not attempt to neutralize.

After eye contact: rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Immediately summon eye specialist.

5. Fire-fighting measures

Suitable extinguishing media: Foam, powder.

Special risks: combustible

The following may develop in event of fire: carbon dioxide, carbon monoxide.

Special protective equipment for fire fighting: Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

Further information: Prevent fire-fighting water from entering surface water or groundwater.

6. Accidental release measures

Person-related precautionary measures: Avoid substance contact. Avoid generation of dusts; do not inhale dusts.

Environmental precautions: Do not allow to enter sewerage system.

Procedures for cleaning / absorption: Take up dry. Forward for disposal. Clean up.

Thymol, extra pure, Ph Eur, BP, NF

7. Handling and storage

Handling: No further requirements.

Storage: Store tightly closed, dry, in a well-ventilated place. Store at + 15°C to + 25°C.

8. Exposure controls/personal protection

Exposure limit values: (MAK, Germany): ---

Exposure controls:

Occupational exposure controls: The personal protective equipment must be selected according to the working place, based on the concentration and amount of the dangerous substance. The supplier should indicate the stability of the personal protective equipment to chemical reagents.

Respiratory protection: required when dusts are generated.

Hand protection: required

Eye protection: required

Skin protection: Apply skin- protective barrier cream.

Industrial hygiene: Immediately change contaminated clothing. Wash hands and face after working with substance.

9. Physical and chemical properties

General information:

Form: crystals

Colour: colourless

Odour: characteristic

Important health, safety and environmental information:

pH value: (0,8 g/l H₂O, 20 °C) 5 - 7

Boiling temperature: 233 °C

Flash point: 104 °C

Explosion limits (low): 1,4 Vol%

Explosion limits (high): ---

Vapour pressure: (50 °C) 2,5 hPa

Density (20 °C): ---

Solubility in water: (25 °C): 0,98 g/l

Solubility in:

ethanol (25°C): 1000 g/l

ether (25°C): 667 g/l

Partition coefficient n-octanol/water: log P(o/w): 3,30 (calculated)

Viscosity: (50 °C) ~ 4,3 mPas

Refractive index: ---

Melting temperature: 49 - 51 °C

Ignition temperature: 285 °C

10. Stability and reactivity

Conditions to be avoided: No information available.

Substances to be avoided: strong oxidizing agents, strong bases.

Hazardous decomposition products: In event of fire: see chapter 5.

11. Toxicological information

Acute toxicity:LD₅₀(oral, rat): 980 mg/kgLD₅₀(dermal, rat): > 2000 mg/kg**Further toxicological information:****After inhalation:** (powder): Irritations of the mucous membranes, coughing, and dyspnoea.**After skin contact:** burns**After eye contact:** burns**After ingestion:** irritations of mucous membranes in the mouth, pharynx, oesophagus, and gastrointestinal tract.

Systemic effect: cardiovascular disorders, CNS disorders.

Toxic effect on: liver and kidneys .

Effect potentiated by: ethanol

Further information:

Naturally occurring substance.

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

12. Ecological information

Ecotoxic effects: Toxic to aquatic organisms, may cause long-term effects in the aquatic environment.**Fish toxicity:** Brachydanio rerio LC₅₀ : 5 mg/l /96h.**Daphnia toxicity:** Daphnia magna EC₅₀: 3,2 mg/l /96h.**Mobility:** log P(o/w): 3,30 (calculated).**Bioaccumulative potential:** Bioaccumulation potential is expected to be high (log P(o/w) > 3).**Persistence and degradability:** Biodegradable**Further ecologic data:**

COD: 2,2 g/g; ThOD: 2,77 mg/l.

Do not allow to enter waters, waste water, or soil!

13. Disposal considerations

Product: There are no uniform EU Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EU 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.**Packaging:** Disposal in compliance with official regulations. Handle contaminated packaging in the 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

Road transport:

UN-No: 3261

ADR class: 8 C4 III

Correct technical name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.(Thymol)

Sea transport:

UN-No: 3261

IMDG class: 8 III

Correct technical name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.(Thymol)

Air transport:

UN-No: 3261

IATA/ICAO class: 8 III

Correct technical name (IATA): CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.(Thymol)

15. Regulatory information

EC-classification: This product has been included in the dangerous substances index with its corresponding EC index number, so it has been classified according to the 67/548/EEC directive and its later adaptations.

Symbol: C (Corrosive), N (Dangerous for the environment)

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

S-phrases: 26-28.1-36/37/39-45-61 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-Index-No: 604-032-00-1

16. Other information

Reason for the revision: General update.

Date: 26/03/2008

The information supplied in this data sheet, is based on the present state of our knowledge. The purpose of this information, is only to describe the security measures to follow in the handling of the product. Therefore it does not represent a guarantee about the properties of the product.