

Section 1: Identification

Product Name Thymol NF Crystals
Commercial Name N/A
Product Use N/A
Restrictions On Use N/A
Product Code 30-1246
Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Acute toxicity, Oral (Category 4) Skin corrosion (Category 1B) Serious eye damage (Category 1) Short-term
CFR 1910.1200 (acute) aquatic hazard (Category 2) Long-term (chronic) aquatic hazard (Category 2)

Signal Word DANGER

Hazard Statement(s) Harmful if swallowed. Causes severe skin burns and eye damage. Toxic to aquatic life with long lasting effects.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention Do not breathe dust or mist. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: rinse mouth. DO NOT induce vomiting. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Wash contaminated clothing before reuse. Collect spillage.

Storage Store locked up.

Disposal Dispose contents/container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components N/A
% By Weight N/A
CAS# 89-83-8
Molecular Weight 150.22 g/mole
Chemical Formula C₁₀H₁₄O
Synonym(s) 5-Methyl-2-(1-methylethyl)phenol, 2-Isopropyl-5-methylphenol; m-Thymol; m-Cresol, 6-Isopropyl-

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Thymol	89-83-8	100	Not available.	ORAL (LD50):Acute: 980mg/kg [Rat].640 mg/kg[Mouse]. 880mg/kg [Guineapig].

Section 4: First-Aid Measures

Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.
Eye Contact	Not available.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.
Immediate Medical Attention	Not available.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

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

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Not flammable or combustible. Carbon oxides

Firefighters Special Equipment and Precautions

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): 8B:

Non-combustible, corrosive hazardous materials

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Contains no substances with occupational exposure limit values.
Engineering Controls	N/A

Personal Protection

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Eye protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin and body protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9: Physical and Chemical Properties

Appearance	Solid. White.		
Odor	Phenolic		
Odor Threshold	N/A		
Melting Point	48C	pH	N/A
Freezing Point	N/A	Vapor Pressure	0.009 (mm/Hg @ 20C)
Boiling Point/Range	232C	Vapor Density	5.2 (Air = 1)
Decomposition temperature	N/A	Viscosity	N/A
Partition Coefficient: n-octanol/water	log Pow: 3.3	Evaporation Rate	N/A
Flash Point	>200	Autoignition temperature	N/A
Flammability	N/A	Flammability or Explosive Limits:	
		Lower	N/A
		Upper	N/A
Solubility(ies)	Slightly soluble in water		
Other	Density 0.965		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Not available.
Conditions to Avoid	N/A
Incompatible Materials	Strong oxidizing agents, Strong bases
Hazardous Decomposition Products	Carbon oxides

Section 11: Toxicological Information
RTECS N/A

Acute Toxicity

LD50 Oral - Rat - male and female - 980 mg/kg Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) (ECHA) Inhalation: No data available Inhalation: Corrosive to respiratory system. LD50 Dermal - Rat - male and female - > 2,000 mg/kg Remarks: (ECHA) No data available

Skin Corrosion/Irritation

Causes burns 4h

Serious Eye Damage/Irritation

Irreversible effects on the eye - 24 h

Respiratory or Skin Sensitization

N/A

Germ Cell Mutagenicity

N/A

Carcinogenicity

N/A

Reproductive Toxicity

N/A

Routes of Entry

Skin. Eye.



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

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Symptoms Related to Exposure

Cough, Shortness of breath, Headache, Nausea, Vomiting.

Potential Health Effects

May be harmful if inhaled. Material is extremely destructive of the tissue of the mucous membranes. Harmful if absorbed through skin. Causes skin burns. Causes eye burns.

Target Organ(s) Single exposure: Acute oral toxicity - If ingested, severe burns of the mouth and throat, as well as a danger of perforation.

Section 12: Ecological Information

Ecotoxicity

Toxicity to fish	LC50 - Pimephales promelas (fathead minnow) - 3.2 - 4.2 mg/l - 96.0 h	(US - EPA)
Toxicity to algae	ErC50 - Pseudokirchneriella subcapitata (green algae) - 14 mg/l - 72 h	(OECD Test Guideline 201)

Persistence and Degradability

Biodegradability	aerobic - Exposure time 28 d	Result: 83 % - Readily biodegradable.
(Closed Bottle test) Chemical Oxygen Demand (COD)	2,690 mg/g demand	Remarks: (IUCLID) Theoretical oxygen demand 2,760 mg/g

Bioaccumulative Potential

Bioaccumulation	Oryzias latipes - 6 Weeks	- 1 µg/l(Thymol)
Bioconcentration factor (BCF): 48		(OECD Test Guideline 305C)

Mobility in Soil

N/A

Other Adverse Effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

Section 13: Disposal Considerations

Waste Disposal

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Disposal of Container

Dispose of as unused product

Other Considerations

N/A

Section 14: Transport Information

DOT Classification

DOT (US) UN number: 2430 Class: 8 Packing group: III Proper shipping name: ALKYLPHENOLS, SOLID, N.O.S. IMDG UN number: 2430 Class: 8 Packing group: III Proper shipping name: ALKYLPHENOLS, SOLID, N.O.S. IATA UN number: 2430 Class: 8 Packing group: III Proper shipping name: ALKYLPHENOLS, SOLID, N.O.S.

Section 15: Regulatory Information

Regulations

OSHA Hazards Harmful by ingestion. Corrosive SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards Acute Health Hazard Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right To Know Components Thymol CAS-No Revision Date 89-83-8 1993-02-16 New Jersey Right to Know Components Thymol CAS-No Revision Date 89-83-8 1993-02-16 California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.



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Other

N/A

Section 16: Other Information

N/A