

**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** C<sub>10</sub>H<sub>14</sub>O  
**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].



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30-1246

### Section 4: First-Aid Measures

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

### Section 5: Fire-Fighting Measures

<b>Suitable Extinguishing Media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable Extinguishing Media</b>	Not available.
<b>Products of Combustion</b>	Not flammable or combustible. Carbon oxides
<b>Firefighters Special Equipment and Precautions</b>	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

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

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**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**

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

**Section 10: Stability and Reactivity**

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



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30-1246

### 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