

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT CODE A0500
PRODUCT NAME THYMOL CRYSTAL
SUPPLIER Shanghai M & U International Trade Co., Ltd.
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FOR EMERGENCIES CALL CHEMTREC: 800-424-9300 (24-HOURS)

2. HAZARD IDENTIFICATION:

Emergency Overview
OSHA Hazards -
Harmful by ingestion, Corrosive

GHS Classification
Acute toxicity, Oral (Category 4)
Skin corrosion (Category 1B)
Serious eye damage (Category 1)
Acute aquatic toxicity (Category 2)

GHS Label elements, including precautionary statements
Pictogram:



Signal word
Danger

Hazard statement(s)
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H401 Toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P260	Do not breathe dust or mist.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 P312	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P301 P330 P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 P361 P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 P351 P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/ physician.
P321	Specific treatment (see supplemental first aid instructions on this label).
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

HMIS Classification

Health hazard 1
Flammability 1
Physical hazards 1

NFPA Rating

Health hazard 1
Fire 1
Reactivity Hazard 0

Potential Health Effects**Inhalation**

May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Skin

Harmful if absorbed through skin. Cause skin burns.

Eyes

Cause eye burns.

Ingestion

Harmful if swallowed.

3. COMPOSITION AND INFORMATION ON INGREDIENTS:

Synonyms:	5-Methyl-2-isopropylphenol 5-Methyl-2-(1-methylethyl)phenol 2-Isopropyl-5-methylphenol
Formula:	C10 H14 O
Molecular Weight:	150.22 g/mol
CAS-No.:	89-83-8
EC-No.:	201-944-8
Index-No.:	604-032-00-1

4. FIRST-AID GUIDE:

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING GUIDE:

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

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

Special protective equipment for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Hazardous combustion products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

6. ACCIDENTAL RELEASE GUIDE:

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.

7. HANDLING AND STORAGE:

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. 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.

8. EXPOSURE AND PERSONAL PROTECTION:

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose 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.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	
Form	Solid
Colour	White
Safety data	
pH	no data available
Melting point	48
Boiling point	232
Flash point	>200
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	0.009
Density	0.965
Water solubility	Slight
Partition coefficient (n-octanol/water)	log Pow: 3.3
Relative vapour density	5.2
Odour	Phenolic
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY:

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available

Conditions to avoid

No data available

Materials to avoid

Strong oxidizing agents, Strong bases

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION:

Acute toxicity

LD50 Oral - rat - 980 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity).

Behavioral: Ataxia.

Behavioral: Coma.

Inhalation LC50

No data available

Dermal LD50

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

Genotoxicity in vitro - Hamster - Embryo

Unscheduled DNA synthesis

Genotoxicity in vitro - Hamster - Embryo

Morphological transformation.

Genotoxicity in vitro - Hamster - Embryo

Sister chromatid exchange

Carcinogenicity

IARC:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH:

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP:

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA:

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

Reproductive toxicity - rat - Subcutaneous

Maternal Effects: Uterus, cervix, vagina.

No data available

Teratogenicity

No data available

Specific target organ toxicity - single exposure (Globally Harmonized System)

No data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)

No data available

Aspiration hazard

No data available

Potential health effects

Inhalation

May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Ingestion

Harmful if swallowed.

Skin

Harmful if absorbed through skin. Cause skin burns.

Eyes

Cause eye burns

Signs and Symptoms of Exposure

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

Synergistic effects

No data available

Additional Information

RTECS: XP2275000

12. ECOLOGICAL INFORMATION:

Toxicity

Toxicity to fish

LC50 - Pimephales promelas (fathead minnow) - 3.2 - 4.2 mg/l - 96.0 h

Toxicity to daphnia and other aquatic invertebrates

EC50 - Daphnia magna (Water flea) - 1.7 - 3.2 mg/l - 96 h

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

PBT and vPvB assessment

No data available

Other adverse effects

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

13. DISPOSAL RECOMMENDATIONS:**Product**


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.


Contaminated packaging

Dispose of as unused product

14. TRANSPORTATION INFORMATION:

RID	
UN number	2430
UN proper shipping name	ALKYLPHENOLS, SOLID, N.O.S. (THYMOL)
Transport hazard class(es)	8
Subsidiary class(es)	-
Packing group	III
Environmental hazards	Yes
Labels required	8
DOT BULK	
UN number	2430
Proper shipping name	ALKYLPHENOLS, SOLID, N.O.S. (THYMOL)

Hazard class	8
Packing group	III
Environmental hazards	
Marine pollutant	Yes
Packaging exceptions	154
Packaging bulk	240
Labels required	8
DOT	
NON-BULK	
UN number	2430
Proper shipping name	ALKYLPHENOLS, SOLID, N.O.S. (THYMOL)
Hazard class	8
Packing group	III
Environmental hazards	
Marine pollutant	No
Packaging exceptions	154
Packaging non bulk	213
Labels required	8
IATA	
UN number	2430
UN proper shipping name	ALKYLPHENOLS, SOLID, N.O.S. (THYMOL)
Transport hazard class(es)	8
Subsidiary class(es)	-
Packing group	III
Environmental hazards	No
Labels required	8
IMDG	
UN number	2430
UN proper shipping name	ALKYLPHENOLS, SOLID, N.O.S. (THYMOL)
Transport hazard class(es)	8
Subsidiary class(es)	-
Packing group	III
Environmental hazards	
Marine pollutant	Yes
Labels required	8
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
ADN; ADR; DOT BULK; DOT NON-BULK; IATA; IMDG; RID	

Marine pollutant	
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15. REGULATORY INFORMATION:

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.: 89-83-8

Revision Date: -

New Jersey Right to Know Components

Thymol

CAS-No.: 89-83-8

Revision Date: -

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.

16. OTHER INFORMATION:

The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond M&U's

control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability for loss, damage, or expense arising out of the products improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission in the SDS. Various federal, state, or provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in the SDS. The user should review these regulations to ensure full compliance.

Prepared By: M&U International LLC

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