

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION*Identification of the product*

Catalogue No.:

Product name : Tri - Octyl Trimellitate (TOTM)

Manufacturer/supplier identification

Company: Petrochemicals 1st Div, Nan Ya Plastics Corporation .Taiwan,R.O.C

Tel: (886)5-6818477~78 ; Fax:(886)5-6812687

Emergency telephone No.: (886)5-6818477~78

2. Hazards identification

Emergency Overview:

Do not vapors; do not ingest; avoid contact with skin, eyes, or clothing. Wash thoroughly after handling; do not eat, drink, or smoke in work areas.

Potential Health Effects :

May cause skin irritation. Inhalation of mist may cause irritation to the respiratory tract.

Eye Contact :

May cause burning sensation, irritation accompanied with pain and corneal or conjunctival ulceration in severe cases.

Skin Contact :

May cause irritation, stinging, redness, and some swelling.

Ingestion :

May cause severe burning in the mouth and digestive tract.

Chronic :

None known. LD₅₀ (Oral-Mouse) is > 60g/kg.

3. Composition/information on ingredients*Synonyms*

Tri - Octyl Trimellitate

CAS-No.: 3319-31-1 EC NO. : 222-020-0 REACH No. : 01-2119487462-32-0007
6683-19-8 01-2119491301-46-0000

Molar mass: 547

Molecular formula: C₆H₃(COOC₈H₁₇)₃**4. First aid measures**

Inhalation :

Remove to fresh air if coughing, soreness in respiratory tract, chest tightness, or difficulty in breathing occurs.

Skin contact :

Immediately remove contaminated clothing and flush area with large quantities of water for at least 15 minutes. Contact a physician if irritation persists.

Eye contact : Immediately flush with large quantities of water for at least 15 minutes, while holding the eyelids open. Do not attempt to neutralize with chemical agents. Contact a physician if irritation persists.

Ingestion :

If patient is conscious, give several glasses of water for dilution effect and contact a physician. Do not induce vomiting. Do not give an unconscious person anything by mouth.

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5. Fire-fighting measures

Flash Point : > 540°F Cleveland open cup

General Hazard : Treat as burning oil.

Fire fighting Instructions :

Extinguishing media—water fog or spray; carbon dioxide; foam; or earth and mud.

Hazardous Combustion Products : Oxides of Carbon.

6. Accidental release measures

Land Spill :

Evacuate area of nonessential personnel. Ventilate area as required. Prevent spill from entering drinking water supplies or streams.

Water Spill :

Remove product layered on water by mechanical means. Place spill in appropriate container for disposal in approved facilities.

7. Handling and storage*Storage Temperature :*

Ambient Storage Pressure : Pressureless.

General ::

Store in cool, dry, and well-ventilated area. Keep containers close.

8. Exposure controls/personal protection

Engineering Controls :

Control to comfort level.

Personal Protection :

Splash-proof goggles with rubber, PVC, or impervious chemical gloves.

Respiratory protection :

None required. Use NIOSH organic vapor cartridge respirator for remediation of large spills.

Protective Clothing ::

Impervious chemical clothing for remediation of large spills.

9. Physical and chemical properties

Form :	liquid
Color :	clear colorless
Odor :	mild characteristic
PH :	6.6
Viscosity (30°C)	244 cps
Melting point	not available
Boiling point	430 °C
Flash point (COC)	250 °C

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Vapor density (air = 1)	> 10
Vapor Pressure	< 0.01 mmHg @25°C
Solubility	
in water, % by weight	< 0.01
water in, % by weight	0.07
Evaporation Rate :	< 0.05
Specific Gravity (@20°C/20°C)	0.992

10. Stability and reactivity*General:*

Stable

Incompatible Materials and Conditions to Avoid :

None known

Hazardous decomposition products

None known

11. Toxicological information*Low order of acute toxicity.*ORAL LD₅₀ (rat) : >5000mg/kg;

Specific symptoms in animal studies :

Eye irritation test (rabbit) :

single application to rabbit eye produced minimal conjunctival irritation.

Skin irritation test (rabbit) :

a single 4hr semi-occlusive application to intact rabbit skin produced minimal signs of irritation.

Further toxicological information

We have no description of any toxic symptoms.

Further data

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

12. Ecological information

Toxicity to fish :

LC₅₀(96hr): >5000mg/l, Oryzias

Toxicity to Crustaceans:

EC₅₀(48hr): >180mg/l, Daphnia

Toxicity to Algae:

EC₅₀(72hr): >100mg/l, Selenastrum capricornutum

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13. Disposal considerations

This product is registered by TSCA. The product should be incinerated, according to state Federal regulations.

14. Transport information

Land transport

TDG Not classified as a dangerous good under transport regulations

Sea transport

IMDG Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO Not classified as a dangerous good under transport regulations

15. Regulatory information

This product is registered by TSCA. It is not a hazardous substance as defined by OSHA (20 cfr 1910.1200).

16. Other information