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EMERGENCY NUMBER:
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SECTION 1 – PRODUCT AND COMPANY INFORMATION

PRODUCT NAME Tri Octyl Trimellitate
SYNONYM TET, TOTM, 1, 2, 4-Benzenetricarboxylic acid, tris(2-ethylhexyl) ester
FORMULA C33H54O6
CAS NUMBER 3319-31-1

SECTION 2 – COMPOSITON/INFORMATION ON INGREDIENTS

PRODUCT NAME	CAS NUMBER	PURITY
Tri Octyl Trimellitate	3319-31-1	100%

SECTION 3- HAZARDS IDENTIFICATION

Emergency Overview

CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
INGESTION MAY CAUSE GASTRIC DISTURBANCES.

Avoid inhalation of mists/vapours.
Avoid contact with the skin, eyes and clothing.
Use with local exhaust ventilation.
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.
Wear safety glasses with side-shields.
Wear chemical resistant protective gloves.
Wear protective clothing.
Eye wash fountains and safety showers must be easily accessible.

Potential health effects

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:

Inhalation is not expected to be a major route of exposure at ambient temperatures. Ingestion may cause gastrointestinal irritation including abdominal cramps and diarrhea.

Irritation:

Irritating to eyes and skin.

SECTION 4 – FIRST AID MEASURES

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

If on skin:

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention.

If swallowed:

Rinse mouth immediately and then drink plenty of water, seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Flash point: 250 °C (ASTM D92)
Autoignition: 410 °C
Lower explosion limit: 0.3 %(V)
Upper explosion limit: 2.5 %(V)

Suitable extinguishing media:

Carbon dioxide, dry extinguishing media, water, foam

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

NFPA Hazard codes:

Health : 1
Fire: 1
Reactivity: 0

SECTION 6 – ACCIDENTAL RELEASE MEASURES**Environmental precautions:**

This product is regulated by CERCLA ('Superfund').

Cleanup:

For small amounts: Spills should be contained, solidified, and placed in suitable containers for disposal.
For large amounts: Pump off product.

SECTION 7- HANDLING AND STORAGE**Handling****General advice:**

Ensure thorough ventilation of stores and work areas.
Avoid contact with the skin, eyes and clothing.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame.

Storage**General advice:**

Keep container tightly closed.

Avoid all sources of ignition: heat, sparks, open flame. Keep container tightly closed.

Storage incompatibility:

General: Segregate from strong oxidizing agents.

SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION**Advice on system design:**

Provide local exhaust ventilation to control dusts/vapours.

Personal protective equipment**Respiratory protection:**

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed. Observe OSHA regulations for respirator use (29 CFR 1910.134).

Hand protection:

Wear chemical resistant protective gloves.

Eye protection:

Safety glasses with side-shields.

Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Avoid inhalation of mists. Avoid contact with the skin, eyes and clothing. Eye wash fountains and safety showers must be easily accessible. Wear protective clothing as necessary to minimize contact. Avoid inhalation of vapours/mists.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid	
Odour:	mild	
Colour:	light yellow	
pH value:	not applicable	
Freezing point:	-38 °C	(1 ATM)
Boiling point:	283 °C	(3 mmHg)
Vapour pressure:	0.16 mmHg	(200 °C)
Density:	0.984 g/cm ³	(25 °C)
Relative density:	0.99	
Partitioning coefficient n-octanol/water (log Pow):	11.59	(25 °C)
Solubility in water:	< 0.1 µg/l	(25 °C)

SECTION 10 – STABILITY AND REACTIVITY DATA**Conditions to avoid:**

Avoid extreme heat. Avoid sources of ignition.

Avoid all sources of ignition: heat, sparks, open flame.

Substances to avoid:

strong oxidizing agents

Hazardous reactions:

The product is chemically stable.

Decomposition products:

carbon oxides

Hazardous decomposition products: carbon monoxide, carbon dioxide

Corrosion to metals:

Corrosive effects to metal are not anticipated.

Oxidizing properties:

not fire-propagating (other)

SECTION 11 – TOXICOLOGICAL INFORMATION**Acute toxicity****Oral:**

LD50/mouse: > 3,200 mg/kg

Moderately toxic.

LD50/rat: > 5,000 mg/kg

Slightly toxic to practically nontoxic.

Dermal:

LD50/rabbit: > 2,000 mg/kg

Slightly toxic.

Skin irritation:

rabbit: Slightly irritating. (Primary skin irritation test)

Eye irritation :

rabbit: Slightly irritating.

SECTION 12 – ECOLOGICAL INFORMATION

No data Available

SECTION 13 – DISPOSAL CONSIDERATION**Waste disposal of substance:**

Dispose of in a licensed facility.

Do not discharge substance/product into sewer system.

Dispose of in accordance with national, state and local regulations.

Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

SECTION 14 - TRANSPORTATION DATA

Land transport

USDOT

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

SECTION 15 – REGULATORY INFORMATION

Federal Regulations

Registration status:

TSCA, US released / listed

OSHA hazard category:

OSHA PEL established, ACGIH TLV established, IARC 1, 2A or 2B carcinogen, NTP listed carcinogen, Chronic target organ effects reported, Acute target organ effects reported, Skin and/or eye irritant.

CERCLA RQ	CAS Number	Chemical name
100 LBS	117-81-7	Di-ethylhexylphthalate

SARA hazard categories (EPCRA 311/312): Acute, Chronic

State regulations

CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

SECTION 16 – OTHER INFORMATION

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.