



Material Safety Data Sheet

MONSOL TOTM

1. Product Identification

Product Codes: MONSOL TOTM

Chemical Name: Trioctyl Trimellitate

Catalogue No: 3319-31-1

Company Identification

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2. Hazards Identification

Appearance/Odour: Clear liquid, mild ester odour.

Potential Health Effects

Skin Contact: This material may cause mild skin irritation. Symptoms may include burning, itching and redness of the skin.

Eye Contact: May cause mild eye irritation. Symptoms may include tearing, redness, burning and swelling of eye tissue.

Ingestion: If this material is swallowed, it may cause nausea, vomiting and diarrhoea. However, the product is not expected to be toxic if swallowed.

Inhalation: Inhalation exposure is regarded to be low due to its low vapour pressure. However, if the product is heated, misted or sprayed, it may cause irritation of the upper respiratory tract. Symptoms may include runny nose, coughing and sneezing.

3. Composition/Information on Ingredients

CAS Number: 3319-31-1

Chemical Name: Trioctyl Trimellitate

4. First Aid Measures

Skin Contact: Remove contaminated clothing and wash affected skin with soap and water. Consult a doctor if irritation persists.

Eye Contact: Flush eyes with large amounts of water for at least 15 minutes. Consult a doctor if irritation persists.

Ingestion: If conscious, give 1 to 2 glasses of milk or water and induce vomiting. Never give anything by mouth to an unconscious person. Contact a doctor immediately.

Inhalation: Patient should be moved out into fresh air.

5. Fire Fighting Measures

Extinguishing Media: CO₂, Dry Chemical, Water Fog and Foam

Special Fire-Fighting Procedures: A MSHA/NIOSH approved self contained breathing apparatus should be worn. Use water spray to cool fire-exposed containers.

Unusual Fire and Explosion Hazards: Water may cause frothing.

6. Accidental Release Measures

Steps to be taken in Case Material is Released or Spilled: Avoid excessive breathing of the fumes. Pick up with suitable absorbent materials (e.g. sand, sawdust, earth). Contain the spill and transfer the liquid and solid material to separate containers for recovery or disposal. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Keep spills out of all sewers and water passages.

7. Handling and Storage

Any use of this product in an elevated process, should be evaluated to establish and maintain safe operating procedures. Containers should be kept tightly closed and stored in a dry and well-ventilated area.

8. Exposure Controls/Personal Protection

Hand Protection: Neoprene or polyvinyl chloride gloves are to be worn.

Respiratory Protection: None required for normal operation.

Eye Protection: Splash goggles are to be worn.

Engineering Measures: For a normal operation, local air ventilation should be sufficient. Direct the air ventilation, when the material becomes heated and fumes are given off.

Other: Eyewash station and safety shower in the work area.

9. Physical and chemical properties

Boiling Point: 500°F @ 1 mmHg

Flash Point (COC): 490°F

Vapour Density: 19 (air=1)

Vapour Pressure (25°C): Negligible

Appearance and Odour: Clear liquid with a mild odour

Specific Gravity: 0.988

Evaporation Rate: N/A

Solubility in Water: Negligible

pH: N/A

10. Stability and reactivity

Stability: This product is stable under normal conditions.

Conditions & Materials to Avoid: Strong oxidizing agents.

Hazardous Polymerisation: Will not occur if under normal circumstances.

Hazardous Decomposition Products: Oxides of carbon and organic acids.

11. Toxicological information

Acute toxicity: Oral LD50 (mouse): >60 gm/kg

No further toxicological information is available at this time.

12. Ecological information

No ecological information is available at this time.

13. Disposal considerations

Waste Disposal Methods: Material should be disposed of in accordance to current local and national regulations. Contacting a waste disposal service is recommended.

14. Transport information

Not classified as hazardous according to the Department of Transportation.

15. Regulatory information

Toxic Substances Control Act (TSCA): This product is in compliance with the TSCA regulation of the United States.

Domestic Substance List (DSL): This product is listed on the DSL inventory of Canada.

Australian Inventory of Chemical Substances (AICS): This product is listed on the AICS inventory of Australia.

European Inventory of Existing Chemical Substances (EINECS): This product is listed on the EINECS inventory of Europe.

Korean Existing Chemicals List (ECL): This product is listed on the ECL inventory of Korea.

Japanese Inventory of Existing & New Chemical Substances (ENCS): This product is listed on the ENCS inventory of Japan.

Superfund Amendments and Reauthorization Act (SARA): This product has the following hazards as defined in Section 311/312 of 40 CFR part 372:

Hazards: Acute (Immediate) Health Hazard

This product contains the following chemicals subject to the reporting requirements of Section 313 or Title III of SARA and 40 CFR Part 372:

Ingredients: None

California Proposition 65: This product contains a substance known to the state of California to cause cancer, birth defects, or other reproductive harm per the Safe Drinking Water and Toxic Enforcement Act of 1986.

16. Other information

Disclaimer:

Michael Ballance Plastics Limited provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.