Material Safety Data for: Trioctyl Trimellitate (TOTM)

1. PRODUCT INFORMATION

Canada TDG
Product Identification Number
Shipping Name
Classification

USA 49 CFR
Product Identification Number
Shipping Name
Classification

Label
WHMIS Class (Canada)
HMIS (U.S.A.)
Material Use

2. HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>CAS NUMBER</th>
<th>%</th>
<th>TWAEV ppm</th>
<th>LD_{50} ORAL</th>
<th>(mg/kg) SKIN</th>
<th>LC_{50} ppm INHALATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3319-31-1</td>
<td>100%</td>
<td>not listed</td>
<td>5000</td>
<td>over 2000</td>
<td>not known</td>
</tr>
</tbody>
</table>

3. PHYSICAL CHARACTERISTICS

Odour & Appearance
Odour Threshold
Vapour Pressure
Evaporation Rate
Vapour Density
Boiling Range
Freezing Point
Specific Gravity
Water Solubility
- in other solvents
Viscosity
pH

4. FLAMMABILITY & REACTIVITY

Flash Point
Autoignition Temperature
Flammable Limits
Combustion Products
Fire Fighting Precautions
Static Discharge
Mechanical Impact
Chemical Stability
Reactive With
Decomposition Products

PLEASE ENSURE THAT THIS MSDS IS GIVEN TO, AND EXPLAINED TO PEOPLE USING THIS PRODUCT.
5. **TOXICOLOGY**

**EFFECTS OF ACUTE EXPOSURE**

- **Skin Contact**: little to no effect
- **Skin Absorption**: slight; no toxic effects likely by this route
- **Eye Contact**: slightly irritating, will not damage eyes
- **Inhalation**: viscous substance resists misting; very low vapour pressure resists vaporization
- **Ingestion**: unlikely route of absorption for a viscous liquid; little to no effect in animal testing

**EFFECTS OF CHRONIC EXPOSURE**

- **General**: little to no effect; dermatitis possible in sensitive individuals
- **Sensitising**: not a sensitiser
- **Carcinogenic**: not considered a tumorigen or a carcinogen in humans or animals

*NOTE: May contain traces of diethylhexyl phthalate – a carcinogen. We feel that these traces pose no risk to workers.*

**Reproductive Effect**: no known effect in humans or animals

**Synergistic With**: not known

**LD<sub>50****: 5000mg/kg (oral, rat), 60,000mg/kg (oral, mouse); over 2000mg/kg (skin, rabbit)

**LC<sub>50**: not known

6. **PROTECTIVE EQUIPMENT**

- **Hands**: neoprene or “Viton” gloves recommended but not required – *consult supplier to confirm suitability*
- **Eyes**: safety glasses with side shields – *always protect the eyes*
- **Ventilation**: not required
- **Clothing**: no special protective clothing required

7. **ENVIRONMENT**

- **Leak Precaution**: dyke to control spillage and prevent environmental contamination
- **Handling Spill**: ventilate contaminated area; recover free liquid with suitable pumps; absorb residue on an inert sorbent, sweep, shovel, & store in closed containers for recycling or disposal
- **Waste Disposal**: do not flush to sewer; mix with flammable solvent and incinerate in approved facility
- **Enviro Info**: this product cannot accumulate in living tissue
  - this product is slowly biodegradable in the presence of oxygen – 4% biodegradation in 4 weeks; in water, hydrolysis occurs with a half-life of 120 days at pH=7 and 12 days at pH=8.

8. **STORAGE & HANDLING**

Store and use in a cool dry environment, away from sources of ignition, heat and oxidising agents. Do not cut, drill, weld or grind on or near this container. Avoid prolonged contact with skin and wash work clothes frequently. An eye bath and safety shower should be available near the workplace.

9. **FIRST AID**

**SKIN**: Wash with soap and plenty of water. Remove contaminated clothing and do not reuse until thoroughly cleaned or laundered.

**EYES**: Wash eyes with plenty of water, holding eyelids open. Seek medical assistance promptly if there is irritation.

**INHALATION**: Remove from contaminated area promptly. **CAUTION: Rescuer must not endanger himself!** If breathing stops, administer artificial respiration and seek medical aid promptly.

**INGESTION**: Give plenty of water to dilute product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, lower victim’s head below hips to prevent inhalation of vomited material. Seek medical help promptly.
9. FIRST AID (cont’d)

NOTE: Inadvertent inhalation of vomited material may seriously damage the lungs. The risk and danger of this is greater than the risk of poisoning through absorption of this relatively low-toxicity product. The stomach should only be emptied under medical supervision, after the installation of an airway to protect the lungs.

10. REGULATIONS (U.S.A.)

TSCA REQUIREMENTS: Pursuant to section 8(d) of TSCA, EPA promulgated a model Health and Safety Data Reporting Rule. The section 8(d) model rule requires manufacturers, importers, and processors of listed chemical substances and mixtures to submit to EPA copies and lists of unpublished health and safety studies. Tris(2-ethylhexyl) trimellitate is included on this list.

EMERGENCY INFORMATION: Call CANUTEC (collect) (613) 996-6666

Prepared for Megaloid Laboratories, by Peter Bursztyn, December 2003