MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE
Product name: Er(TMOD)3
Product code: T6885
Manufacturer/Supplier:
Toshima MFG Co., Ltd.
Materials System Division
1414 Shimonomoto Higashimatsuyama-shi, Saitama 355-0036 Japan
Phone +81-493-24-6774
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2. CHEMICAL IDENTIFICATION
CAS.No.: Not determined
Chemical Name: Tris[2,2,6,6-tetramethyl-3,5-octanedionato]erbium
Molecular Formula: C36H63ErO6

3. HAZARDS IDENTIFICATION
Harmful. Harmful by inhalation, in contact with skin and if swallowed.
Irritant. Irritating to eyes, respiratory system and skin.
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4. FIRST-AID MEASURES
In case of contact with eyes, immediately flush eyes with copious amounts of water for at least 15 minutes and seek medical advice.
In case of contact, immediately wash skin with soap and copious amounts of water.
If inhaled, removed to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
If swallowed, wash out mouth with water provided person is conscious.
Call a physician.
Wash contaminated clothing before reuse.

5. FIRE FIGHTING MEASURES
EXTINGUISH MEDIA: Carbon dioxide, Dry chemical powder or Appropriate form.
SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
UNUSUAL FIRE AND EXPLOSIONS HAZARDS: Emits toxic fumes under fire conditions.

6. ACCIDENTAL RELEASE MEASURES
Evacuate area.
Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
Sweep up, place in covered containers using non-sparking tools and transport outdoors.
Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE
Refer to section 8.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Wear chemical-resistant gloves, eye/face protection, and NIOSH/MSHA-approved respirator.
Set up a Safety shower, eye bath, and mechanical exhaust.
Do not breathe dust.
Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling.
Keep tightly closed.
Store in a cool, dry and dark place.

9. PHYSICAL AND CHEMICAL PROPERTIES
Form: solid
Color: pink
Melting point: 109°C
Solubility in water: insoluble
Stability in air: stable
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:
Toxic fumes of: carbon monoxide, carbon dioxide

10. STABILITY AND REACTIVITY
Incompatible with strong oxidizing agents and reducing agents.

11. TOXICOLOGICAL INFORMATION
Data has not yet available.

12. ECOLOGICAL INFORMATION
Data has not yet available.

13. DISPOSAL CONSIDERATIONS
Burn in a chemical incinerator equipped with an afterburner and scrubber.
Observe all national and local environmental regulations.

14. TRANSPORT INFORMATION
IACO/IATA class: 4.1   UN No.1325   Packing group II

15. REGULATORY INFORMATION
The following regulatory information are based on self-assessment of risks and safety advises, as the substance has not been totally tested yet.

Code letter and hazard designation of the product
Xn Harmful
F Highly flammable
R 20/21 /22 Harmful by inhalation, in contact with skin and if swallowed.
R 36/37/ 38 Irritating to eyes, respiratory system and skin.
S 16 Keep away from sources of ignition - No smoking.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 33 Take precautionary measures against static discharges
S 36/37 Wear suitable protective clothing and gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.

Warning, substance not yet tested completely.

16. OTHER INFORMATION
The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Toshima shall not be held liable for any damage resulting from handling or from contact with the above product.