

## Material Safety Data Sheet

### SECTION 1. CHEMICAL AND COMPANY IDENTIFICATION

Product Name: **4,4'-Dimethyltrityl Chloride**  
CAS Number: 40615-36-9  
Catalog Number: **CGIPCR-1506**  
Chemical Name: 4,4'-Dimethyltrityl Chloride  
Synonym/Trade Name: 4,4'-Dimethoxytriphenylmethyl Chloride  
4,4'-(chloro(phenyl)methylene)bis(methoxybenzene)  
DMT-Cl  
Molecular Formula: C<sub>21</sub>H<sub>19</sub>O<sub>2</sub>Cl  
Manufacturer or supplier's  
ChemGenes India Pvt. Ltd  
207 Regency Plaza,  
5-A Park road, Lucknow-226001  
Ph: +91-8687421036  
Email: info@chemgenesindia.com

### SECTION 2. COMPOSITION, INFORMATION ON INGREDIENTS

Component: 4,4'-Dimethyltrityl chloride  
CAS#: 40615-36-9  
EC # (EINECS): None Assigned  
UN Number: N/A  
Percentage: 100.0  
M.W.: 338.817

### SECTION 3. HAZARDS IDENTIFICATION

NFPA Ratings (Scale 0-4): Health=1 Fire=1 Reactivity=0  
Hazards Class: N/A  
EC Classification: Not determined  
Emergency Overview  
Physical Description: Off-white to faint pink produces colorless  
DMT- nucleosides  
Odor: none  
Major Health Hazards: No significant target effects reported.  
Physical Hazards: Dust/air mixtures may explode.  
Does not contain metals, pigments, catalysts,  
vehicle, coating and flux.

#### Potential Health Effects

Inhalation:  
Short Term Exposure: No information is available.  
Long Term Exposure: No information is available.

Skin Contact:  
Short Term Exposure: No information is available.  
Long Term Exposure: No information is available.

Eye Contact:  
Short Term Exposure: No information is available.  
Long Term Exposure: No information is available.

Ingestion:  
Short Term Exposure: No information is available.  
Long Term Exposure: No information is available.

Carcinogen Status: OSHA: N NTP: N IARC: N

#### **SECTION 4. FIRST AID MEASURES**

Inhalation: Remove from exposure immediately. Use a bag valve mask or similar device to perform artificial respiration if needed. Get medical attention.

Skin Contact: Remove contaminated clothing, jewelry and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemicals remains (at least 15-20 minutes). Get medical attention immediately.

Eye Contact: Wash eyes immediately with large amounts of water (or normal saline), occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.

Ingestion: If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention immediately.

#### **SECTION 5. FIRE FIGHTING MEASURES**

Fire and Explosion Hazards: Slight fire hazard. Dust/air mixtures may ignite or explode (although exact conditions are unknown).

Extinguishing Media: Carbon dioxide, regular dry chemical, regular foam, water.

Fire Fighting: Move container from fire area if it can be done without risk. Do not scatter spilled material with high pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

Flash Point: N/A

Flammability Class (OSHA): N/A

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Occupational Release:

Collect spilled material in appropriate container for disposal. Keep out of water supplies and sewers. Keep unnecessary people away, isolate hazard area and deny entry.

## **SECTION 7. HANDLING STORAGE**

Store and handle in accordance with all current regulations and standards. Store in a cool, dry place (between 20°C and 25°C). Keep separated from incompatible substances.

## **SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

Exposure limits

No occupational exposure limits established.

Ventilation: Provide local exhaust or process enclosure ventilation system. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Ensure compliance with applicable exposure limits.

Eye Protection: Wear splash resistant safety goggles with a face shield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Clothing: Wear appropriate chemical resistant clothing.

Gloves: Wear appropriate chemical resistant gloves.

Respirator: Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.

Any supplied-air respirator with a full face piece that is operated in a pressure-demand or other positive-pressure mode.

Any self-contained breathing apparatus that has a full face piece and is operated in a pressure-demand or other positive-pressure mode.

For Unknown Concentrations of Immediately Dangerous to Life of Health-

Any supplied-air respirator with full face piece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full face piece.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical Description: Powder

Color: Off-white to faint pink produces colorless DMT- nucleosides

Odor: None

Freezing Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

% Volatile by Volume: 0  
Specific Gravity: apprx. 1  
Water Solubility: Insoluble  
Melting Point: 119-123°C  
Solubility: N/A  
PH: N/A  
Volatility: N/A  
Odor Threshold: N/A  
Evaporation Rate: <<1  
Coefficient of Water/Oil Distribution: N/A

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity: Stable at normal temperatures and pressure.  
Conditions to Avoid: Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials. Keep out of water supplied and sewers.

Incompatibilities: Oxidizing materials.  
Hazardous Decomposition:  
Thermal decomposition products: miscellaneous decomposition products.  
Polymerization: Will not polymerize.

**SECTION 11. TOXICOLOGICAL INFORMATION**

N/A

**SECTION 12. ECOLOGICAL INFORMATION**

N/A

**SECTION 13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with all applicable regulations.

**SECTION 14. TRANSPORT INFORMATION**

No classification assigned.

**SECTION 15. REGULATORY INFORMATION**

U.S. Regulations: TSCA Inventory Status: N

TSCA 12(b) Export notification: Not listed.  
CERCLA Section 103 (40CFR302.4): N  
SARA Section 302 (40CFR355.30): N  
SARA Section 304 (40CFR355.40): N  
SARA Section 313 (40CFR372.65): N  
SARA Hazard Categories, SARA Sections 311/312 (40CFR370.21):  
Acute: N

Chronic: N  
Fire: N  
Reactive: N  
Sudden Release: N  
OSHA Process Safety (29CFR1910.119): N

**SECTION 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. ChemGenes India shall not be held liable for any damage resulting from handling or from contact with the above product.

-----End of MSDS-----