

Section 1 - General Information

Chemical Name:

C24 Ceramide

CAS Reg. Number:

Preparation Date/Revision Date:

1/17/2005

Manufacturer's Name:

Toronto Research Chemicals Inc.,
2 Brisbane Rd., North York, ON
Canada, M3J 2J8

Telephone Number:

416-665-9696

Fax Number:

416-665-4439

Section 2 - Hazardous Ingredients/Identity Information

The chemical, physical and toxicological properties of this product have not been thoroughly investigated.
Exercise due care.

Section 3 - Physical/Chemical Characteristics

Boiling Point:

N/A

Appearance and Odor:

white crystalline solid

Vapor Pressure:

N/A

Specific Gravity(H₂O=1):

N/A

Solubility in Water:

N/A

Melting Point:

N/A

Evaporation Rate (ButylAcetate=1):

N/A

Vapor Density:

N/A

Section 4 - Reactive Data

Stability:

Good

Incompatibility (Materials to Avoid):

Strong oxidizing agents

Conditions to Avoid:

Strong oxidizing agents

Hazardous Decomposition or Byproducts:

toxic fumes of carbon monoxide, carbon dioxide and nitrogen oxides

Hazardous Polymerization:

will not occur

Section 5 - Control Measures

Respiratory Protection:

Niosh/Msha approved respirator

Ventilation:

Use in hood.

Protective Gloves:

chemical resistant gloves

Eye Protection:

chemical safety goggles

Other Protective Clothing:

lab coat or apron

Other Protection:

safety shower and eye bath

Section 6 - First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Skin:

Rinse with copious amounts of water for 15 minutes. Remove contaminated clothing and shoes.

Ingestion:

Rinse mouth out with water, provided the person is conscious. Seek medical attention.

Eyes:

Flush eyes with copious amounts of water, separating eyelids with fingers.

Section 7 - Health Hazard Data**Health Hazards (Acute and Chronic):**

Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. Ingestion: Harmful if swallowed. May cause irritation. The toxicological properties have not been thoroughly investigated. Exercise due care! Production of ceramide occurs upon hydrolysis of sphingomyelin by a specific isoform of phospholipase C, appropriately named sphingomyelinase.

Medical Conditions Generally Aggravated by Exposure:

May be harmful by inhalation, ingestion or skin absorption. May cause irritation.

Section 8 - Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled:**

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in bag, and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method:

Dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Precautions to Be Taken in Handling and Storage:

Store in a cool, dry place. Avoid prolonged, repeated exposure. Wash after handling. Wear chemical safety goggles, chemical resistant gloves, and NIOSH/MSHA-approved respirator.

Section 9 - Fire and Explosion Hazard Data**Extinguishing Media:**

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards:

Emits toxic fumes under fire conditions.

Section 10 - Transportation Information and regulatory information

DOT