

Section 1 - General Information

Chemical Name:

5-Hydroxymethyl-2-furancarboxylic Acid

CAS Reg. Number:

6338-41-6

Preparation Date/Revision Date:

5/18/2005

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

Irritant. Irritating to eyes, respiratory system and skin. Combustible. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

Section 3 - Physical/Chemical Characteristics

Boiling Point:

N/A

Appearance and Odor:

Pale Yellow Solid

Vapor Pressure:

N/A

Specific Gravity(H₂O=1):

N/A

Solubility in Water:

N/A

Melting Point:

247°C (dec)

Evaporation Rate (ButylAcetate=1):

N/A

Vapor Density:

N/A

Section 4 - Reactive Data

Stability:

very hygroscopic

Incompatibility (Materials to Avoid):

Strong Oxidizing Agents

Conditions to Avoid:

Moisture and strong oxidizers

Hazardous Decomposition or Byproducts:

toxic fumes of Carbon Monoxide and Carbon Dioxide

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. Seek medical attention.

Skin:

Rinse with copious amounts of water for 15 min, remove contaminated clothing and shoes.

Ingestion:

Rinse mouth out with water provided the person is conscious. Call a physician.

Eyes:

Flush eyes with copious amounts of water for at least 15 min, separating the eyelids with fingers.

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

The toxicological properties have not been thoroughly investigated. Exercise due care. ROUTE OF EXPOSURE Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed.

Medical Conditions Generally Aggravated by Exposure:

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated

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:

This combustible material may be burned 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:

Keep container closed, light sensitive, keep away from heat and open flame, store under nitrogen, refrigerate.

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