



# American International Chemical, Inc.

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## MATERIAL SAFETY DATA SHEET

### SEBACIC ACID

#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc. 135 Newbury Street Framingham, MA 01701	Emergency Number: Chemtrec  Information Number:	800-424-9300 703-527-3887 800-238-0001
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Date: August 2007

Synonyms: 1,8-Octanedecarboxylic Acid, Sebacylic Acid, Decanedioic Acid

CAS #: 111-20-6

DOT Hazard Class: Not Regulated

#### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Sebacic Acid 99% min.

#### SECTION 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** A white granular solid that presents little or no health hazard and no unusual hazard if involved in a fire.

**POTENTIAL HEALTH EFFECTS:**

**Skin:** May cause skin irritation.

**Eyes:** May cause irritation or burning.

**Inhalation:** May cause irritation to the respiratory tract.

**Ingestion:** May be hazardous if ingested.

**CARCINOGENICITY:** Not Identifiable

#### SECTION 4 - FIRST AID MEASURES

**Skin:** Immediately wash skin with soap and water for at least 15 minutes if irritation appears.

**Eyes:** Immediately flush with plenty of water for at least 15 minutes, holding eyelids apart.

**Inhalation:** Remove to the fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** Induce vomiting by giving two glasses of water and sticking finger down throat.

**On All Of The Above:** Consult a physician if symptoms persist.

## **SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point: 430°F

Flammable Limits: Not Available

Extinguishing Media: Use water, foam, carbon dioxide, dry chemical and media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures:

Use fire-fighting procedure that is appropriate to treat surrounding fire. All firefighters should use self-contained breathing apparatus and full fire-fighting turnout gear. Use of water or foam may cause frothing.

Unusual Fire Explosion Hazard: None

Auto Ignition Temperature: Not Available

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## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Isolate hazard area and deny entry to unnecessary or unprotected personnel. Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches that lead to waterways.

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## **SECTION 7 - HANDLING AND STORAGE**

Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

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

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area and maintain concentrations below the limit.

SKIN AND EYE PROTECTION: Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin and eyes from dust.

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eyewash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: Exposure to dust should be maintained below 4mg/cubic meter.

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

Boiling Point: Not Available

Vapor Pressure (MM Hg): Not Available

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H<sub>2</sub>O=1): Not Available

Percent Volatile by Weight (%): 0

Melting Point: 131-134.5° C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Slightly soluble

pH: Not Available

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## **SECTION 10 - STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic gases, vapors and fumes of Carbon Dioxide and Carbon Monoxide.

KEEP AWAY FROM: Bases and Oxidizing and Reducing agents.

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## **SECTION 11 - TOXICOLOGICAL INFORMATION**

Toxicity Data:

Oral –Rat LD50	5,000mg/kg
Ipr. – Mouse LD50	6,000 mg/kg
Ipr. – Man LD50	1,175 mg/kg

Irritation Data:

Eye – Rabbit – Non-irritant  
Skin – Rabbit – Non-irritant

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## **SECTION 12 - ECOLOGICAL INFORMATION**

Not Available

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## **SECTION 13 - DISPOSAL CONSIDERATIONS**

SEBACIC ACID

Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

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#### **SECTION 14 - TRANSPORTATION INFORMATION**

D.O.T. SHIPPING NAME: Sebacic Acid

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#### **SECTION 15 - REGULATORY INFORMATION**

OSHA STATUS: Not listed

TSCA STATUS: Listed

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance: Not listed

Section 313 Toxic Chemicals: Not listed

Section 311/312 Hazard Category: Not considered a hazard.

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#### **SECTION 16 - OTHER INFORMATION**

NFPA Rating:

Fire: 1

Health: 0

Reactivity: 0

Reason for Issue: Changed Date

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