



American International Chemical, Inc.

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MATERIAL SAFETY DATA SHEET

DICHLOROACETIC 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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Revision Date: August 2007

Synonyms: Bichloroacetic Acid, dichlorethanoic acid, DCA

CAS #: 79-43-6

DOT Hazard Class: UN 1764, Class 8, PG II, Corrosive

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Dichloroacetic Acid 99% min.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Liquid pungent odor.

Harmful if ingested, inhaled or absorbed through the skin. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin. Emits toxic fumes under fire conditions.

POTENTIAL HEALTH EFFECTS:

Inhalation may be fatal as a result of spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

CARCINOGENICITY: Not Listed under OSHA, IARC of NTP

SECTION 4 - FIRST AID MEASURES

In Case of Contact: Immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Wash contaminated clothing before reuse.

If Inhaled: Remove to fresh air. If not breathing give artificial respiration, If breathing is difficult, give oxygen. Call a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >230 °F

Flammable Limits: Not Known

Extinguishing Media: Water spray. Carbon Dioxide, dry chemical powder, alcohol or polymer foam.

Special Fire Fighting Procedures

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

Unusual Fire Explosion Hazard: Emits toxic fumes under fire conditions.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Isolate hazard area and deny entry to unnecessary or unprotected personnel. Contain spilled liquid with sand or earth. Place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways. Refer to sections 7 and 8.

SECTION 7 - HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Avoid breathing fumes. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate fumes from the work area.

SKIN AND EYE PROTECTION:

Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from fumes. Safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE GUIDELINES: None Established

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 194 °C

Vapor Pressure (MM Hg): Not Known

Vapor Density (AIR=1): Not Known

Specific Gravity (H2O=1): 1.563

Percent Volatile by Volume (%): Not Known

Melting Point: 9 – 10 °C

Evaporation Rate (Butyl Acetate=1): Not Known

Solubility in Water: Slight

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperature of pressure.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, hydrogen chloride gas.

INCOMPATIBILITIES: Strong oxidizers, bases and reducing agents.

SECTION 11 - TOXICOLOGICAL INFORMATION

ORL-Rat LD₅₀ 2.82 g/kg

Skin - RBT LD₅₀ 510 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION

Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

EMPTY CONTAINERS:

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

RCRA WASTE #: Not Listed

SECTION 14 - TRANSPORTATION INFORMATION

Dichloroacetic Acid

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SECTION 15 - REGULATORY INFORMATION

CERCLA REPORTABLE REQUIREMENTS: (RQ) Not Listed

SARA TITLE III INFORMATION:

Section 302 Extremely hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Unlisted

Section 311/312 Hazard Category: Acute Health

SECTION 16 - OTHER INFORMATION

None Available

Reason for Issue: Changed Date

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