



American International Chemical, Inc.

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MATERIAL SAFETY DATA SHEET

1-METHYLIMIDAZOLE

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-Methyl-1H-imidazole, N-Methylimidazole

CAS #: 616-47-7

DOT Hazard Class: Corrosive UN 2735

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

1-Methylimidazole 99% min.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: A colorless liquid with a slight pyridine-like odor. Material is corrosive and will cause burns/irritation upon contact.

POTENTIAL HEALTH EFFECTS:

Eyes and skin: Can cause severe burns upon contact.

Inhalation: Can cause severe burns to respiratory tract.

Ingestion: Harmful if swallowed.

CHRONIC EFFECTS: Can cause permanent injury upon contact. Produced neurological effects and convulsions in mice.

Target Organs: Skin, eyes, respiratory system.

CARCINOGENICITY: Not Identifiable

SECTION 4 - FIRST AID MEASURES

Skin: Immediately wash skin with soap and water for at least 15 minutes.

1-Methylimidazole

Eyes: Immediately flush with plenty of water for at least 15 minutes, holding eye lids apart.
Inhalation: Remove to the fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
Ingestion: Do not induce vomiting, dilute with water or milk and get immediate medical attention.
On All Of The Above: Consult a physician if symptoms persist.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: 92°C (198°F)

Flammable Limits: Lower explosion level 2.7%
Upper explosion level 15.7%

Extinguishing Media: Water, carbon dioxide or dry chemical

Special Fire Fighting Procedures: All firefighters should use self-contained breathing apparatus and full fire-fighting turnout gear.

Unusual Fire Explosion Hazard: None Identified

Auto Ignition Temperature: 525°C

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

SECTION 7 - HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing vapors/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 vapors/fumes from the work area.

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

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from vapors/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 LIMITS: None Established

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: ~ 196°C @ 760 mm

Vapor Pressure (MM Hg): 1.04

Vapor Density (AIR=1): 0.4 mm @ 20°C

Specific Gravity (H2O=1): 1.04

Bulk Density: Not Applicable

Percent Volatile by Volume (%): Not Applicable

Melting Point: ~ 60°C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Miscible

pH: Not Applicable

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and nitrogen oxides.

KEEP AWAY FROM: Strong mineral acids or oxidizers.

SECTION 11 - TOXICOLOGICAL INFORMATION

Rat Oral LD₅₀ - 1130 mg/kg

Rabbit Dermal LD₅₀ - 400-600 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION

Not available

SECTION 13 - DISPOSAL CONSIDERATIONS :

Incinerate or bury in a RCRA Licensed facility in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed, but is a hazard due to its properties.

SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME:.....Amines, Liquid, Corrosive, N.O.S.

TECHNICAL SHIPPING NAME:.....1-Methylimidazole

U.N./N.A. NUMBER:.....UN 2735

D.O.T. HAZARD CLASS AND GROUP NUMBER...Class 8, Group III

1-Methylimidazole

D.O.T. LABEL/PLACARD.....Corrosive
PRODUCT LABEL.....Corrosive

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: Unlisted

Section 313 Toxic Chemicals: Unlisted

Section 311/312 Hazard Category: Immediate (acute) Health Hazard, Delayed (chronic).

SECTION 16 - OTHER INFORMATION

HMIS Health 3 Fire 2 Reactivity 1

Reason for Issue : Changed Date

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