



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

Internet: www.aicma.com Email: info@aicma.com

MATERIAL SAFETY DATA SHEET

BIS-ACRYLAMIDE

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: MBA, N,N'-Methylenebisacrylamide, 2-Propenamidine

CAS #: 110-26-9

DOT Hazard Class: Not Regulated

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Methylene Bisacrylamide 99% min.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: White odorless powder that can cause peeling and redness to the skin and can be harmful if inhaled or swallowed. Can emit toxic fumes under fire conditions.

POTENTIAL HEALTH EFFECTS:

Skin: May cause skin irritation. Can be harmful if absorbed through the skin.

Eyes: May cause irritation or burning.

Inhalation: May cause irritation to the mucous membranes and upper respiratory tract. Harmful if inhaled.

Ingestion: Harmful if ingested.

CARCINOGENICITY: Not Identifiable

SECTION 4 - FIRST AID MEASURES

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

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: Wash out mouth with water.

On All Of The Above: Consult a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Non-Combustible

Flammable Limits: Non-Combustible

Extinguishing Media: Use 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.

Unusual Fire Explosion Hazard: During a fire, thermal decomposition may generate toxic gases, including carbon monoxide and ammonia.

Auto Ignition Temperature: Not Applicable

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.

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.

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: None Established

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Applicable

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): 5.31 g/L

Specific Gravity (H₂O=1): 1.235 g/cc

Percent Volatile by Volume (%): Not Applicable

Melting Point: 300 °C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Moderate

pH: Not Applicable

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Unstable. Avoid direct contact to the air.

HAZARDOUS POLYMERIZATION: May occur.

HAZARDOUS DECOMPOSITION PRODUCTS: May generate toxic gases such as ammonia and nitrous oxides.

KEEP AWAY FROM: Contact with carbon, steel or rust. Store below 40 °C with no exposure to direct sunlight.

SECTION 11 - TOXICOLOGICAL INFORMATION

Oral – Rat - LD₅₀ 390 mg/kg
 Mouse - LD₅₀ 380 mg/kg

Chronic Exposure:

Teratogen: Lab experiments have shown teratogenic effects.

Mutagen (Mouse): Dominant lethal test

Heritable translocation test

Reproductive Hazard: Overexposure may cause reproductive disorders based on tests with lab animals.

SECTION 12 - ECOLOGICAL INFORMATION

Acute Ecotoxicity Tests
Test type: LC50 Fish
Species: Rainbow trout
Time: 96 hrs
Value: > 100mg/L

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state and local regulations.
RCRA WASTE #: Not Listed

SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: N,N'-METHYLENEBISACRYLAMIDE (BIS-ACRYLAMIDE)

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: Acute Health Hazard: Immediate
Chronic Health Hazard: Delayed

SECTION 16 - OTHER INFORMATION

HMIS Rating:

Health: 2

Flammability: 0

Reactivity: 1

NFPA Rating:

Health: 2

Flammability: 0

Reactivity: 1

Reason for Issue: Changed Date

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