

Material Safety Data Sheet

hazard information

Hazard information is provided for compliance with both the UK Chemicals (Hazard Information and Packaging) (CHIP) Regulations and the US Hazard Communication Standard (HCS).

Identification of the Substance/Preparation and Company:

Product name	Product code	EEC number
N,N' - Methylene-bis-Acrylamide	GR142-100	203-750-9

Supplier

Hoefer, Inc., 953 Indiana Street, San Francisco, CA 94107
Phone: 800-227-4750

Emergency Contact

Chemtrec: 800-424-9300
Outside USA and Canada: 703-527-3887

Composition/Hazardous Components:

Hazard	CAS No.	%WT	TLV	CHIP R & S Phrases
N,N' - Methylene-bis-Acrylamide	110-26-9	~100%	---	<i>R:20/21/22</i> Harmful by inhalation, in contact with skin and if swallowed. <i>S:22</i> Do not breathe dust. <i>S:36/37/39</i> Wear suitable protective clothing, gloves and eye/face protection.

Hazards Identification

CHIP: Harmful
HCS: Toxic



First-aid Measures

EYES: Flush with water for 15 minutes. Seek medical advice if irritation persists.

SKIN: Flush with water, then wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation persists.

INHALATION: Remove the victim from exposure and move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Seek immediate medical attention.

INGESTION: Drink water and seek immediate medical attention. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

Fire-fighting Information

FLASH POINT: No data available.

Use media suitable to extinguish the supporting or surrounding fire. Wear NIOSH (or equivalent) approved self contained, positive pressure breathing apparatus and full firefighting protective clothing. *For small fires only:* use carbon dioxide, dry powder or foam. Airborne dust may create an explosion hazard. The hazard is similar to that of any organic solid including sawdust. Thermal decomposition may yield monoxide, carbon dioxide, ammonia or oxides of nitrogen.

Accidental Release Measures

Wear appropriate personal protective equipment and clothing including lab coat, safety goggles, gloves and NIOSH-approved respirator. Collect in a manner that does not create dust and place in a suitable waste container. Avoid contact of material with skin or eyes. Use adequate ventilation.

Handling and Storage

Wear appropriate personal protective equipment and clothing including lab coat, safety goggles, gloves and NIOSH-approved respirator. Avoid contact of material with skin or eyes. Store ambient away from strong oxidizing agents, acids, bases, reducing agents, iron and iron salts, copper, aluminum, brass and polymerization initiators. Air and light sensitive. Store away from heat and direct sunlight.

Personal Protection

Wear appropriate personal protective equipment and clothing including lab coat, safety goggles, gloves and NIOSH-approved respirator. A qualified industrial hygienist should evaluate the need for respiratory protection. Use respiratory protection approved by NIOSH (or equivalent) and appropriate to the hazard. Avoid contact of material with skin or eyes. Use a closed ventilation system where feasible. Local exhaust if closed system is not used to control exposure to dust, vapors or mists. Access to a safety shower and eye-wash.

Physical and Chemical Properties

Appearance: White, crystalline powder; neutral odor

Boiling Point: No data available

Vapor Pressure: No data available

Vapor Density: 5.31

Solubility (Water): Slightly soluble

Specific Gravity: 1.24

Percent Volatile: No data available

Evaporation Rate: No data available

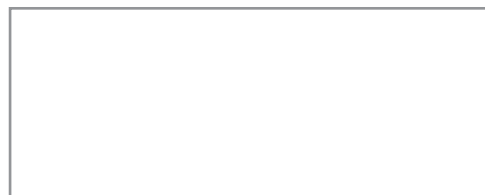
Chemical Formula: C₇H₁₀N₂O₂

Melting Point: >300°C

Stability and Reactivity

Product is stable. Incompatible with strong oxidizing agents, acids, bases, reducing agents, iron and iron salts, copper, aluminum, brass and polymerization initiators. Air sensitive. Store away from heat and direct sunlight. May polymerize on exposure to light. Thermal decomposition may yield carbon monoxide, carbon dioxide, ammonia or oxides of nitrogen. Hazardous polymerization may occur.

This data sheet is based upon information believed to be reliable. The Company makes no statement or warranty as to the accuracy or completeness of the information contained herein which is offered for your consideration, investigation and verification. Any use of the information contained in this data sheet must be determined by the user to be in accordance with appropriate applicable regulations.



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Printed in the USA

Toxicological Information

Effects of overexposure:

EYES: Contact may cause irritation.

SKIN: Contact may cause irritation. May be harmful if absorbed through the skin.

INHALATION: Material is irritating to mucous membranes and upper respiratory tract. May be harmful by inhalation. Inhalation studies with this compound have produced acute pulmonary edema in animals.

INGESTION: Harmful if swallowed. May cause irritation of mouth, throat, esophagus and gastrointestinal tract. May cause central, peripheral and autonomic system effects.

TARGET ORGAN(S): Eyes, nervous system, reproductive system, skin.

Additional Information:

Adverse reproductive effects have been reported in animals. Laboratory experiments have shown teratogenic effects. Prolonged or repeated exposure affects the nervous system.

Toxicity, reproductive and mutation data listed in RTECS under AS3678000.

Oral Rat LD50 = 390 mg/kg (1990). Toxic effects may include tremors and changes in structure or function of the sense organs, lungs, thorax or respiration.

Reproductive: Effects on Newborn - growth statistics (*e.g.*%, reduced weight gain).

Maternal effects - parturition.

Fertility - pre-implantation mortality (*e.g.*, reduction in number of implants per female; total number of implants per corpora lutea), post-implantation mortality (*e.g.* dead and/or resorbed implants per total number of implants (1964).

Effects on Embryo or Fetus - fetotoxicity (except death, *e.g.*, stunted fetus) (1998).

Paternal effects - Testes, epididymis, sperm duct and spermatogenesis (incl. Genetic material, sperm morphology, motility, and count) (1974).

Specific Developmental Abnormalities - urogenital system.

Definitions: RTECS = Registry of Toxic Effects of Chemical Substances.

Ecological Information

No information available.

Disposal Considerations

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

Transportation Information

US DOT/IATA: No information available.

Regulatory Information

RCRA: No applicable information.

SARA 302: This material does not have an RQ or a TPQ.

SARA 313: This material is not reportable under Section 313.

EPA TSCA Section 8(b): Chemical Inventory.

Exposure Limits: Not established.

California Proposition 65: No applicable information.

