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Material Safety Data Sheet Bis-Acrylamide

ACC# 16077

Section 1 - Chemical Product and Company Identification

MSDS Name: Bis-Acrylamide

Catalog Numbers: BP1404 250, BP1404250, BP171 100, BP171 25, BP171-100, BP171-25, BP171100, BP17125

Synonyms: N,N'-Methylenebisacrylamide; N,N'-Methylenebis-2-Propenamamide.

Company Identification:

Fisher Scientific
1 Reagent Lane
Fairlawn, NJ 07410

For information, call: 201-796-7100

Emergency Number: 201-796-7100

For CHEMTREC assistance, call: 800-424-9300

For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
110-26-9	Methylene diacrylamide	>95	203-750-9

Hazard Symbols: XN

Risk Phrases: 22

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: colourless. **Warning!** Toxic. May cause central nervous system effects. May cause reproductive effects based upon animal studies. May cause eye and skin irritation. May cause respiratory and digestive tract irritation.
Target Organs: Central nervous system.

Potential Health Effects

Eye: May cause eye irritation.

Skin: Causes skin irritation. May be absorbed through the skin.

Ingestion: Harmful if swallowed. May cause irritation of the digestive tract.

Inhalation: May cause respiratory tract irritation. May cause adverse central nervous system effects including headache, convulsions, and possible death.

Chronic: Prolonged or repeated exposure may cause adverse reproductive effects. May cause adverse nervous system effects.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid.

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician: Treat symptomatically and supportively.

Antidote: No specific antidote exists.

Section 5 - Firefighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Combustion generates toxic fumes. Use water spray to keep fire-exposed containers cool.

Extinguishing Media: Use water spray, dry chemical, or carbon dioxide.

Autoignition Temperature: Not applicable.

Flash Point: Not applicable. (estimated) Health: 2; Flammability: 0; Reactivity: 1 Explosion Limits, Lower: Not available. Upper: Not available.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before

reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Methylene diacrylamide	none listed	none listed	none listed

OSHA Vacated PELs: Methylene diacrylamide: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State: Solid
Appearance: colourless
Odor: None reported
pH: Not available.
Vapor Pressure: Negligible.
Vapor Density: 5.31
Evaporation Rate:
Viscosity: Not available.
Boiling Point: Not available.
Freezing/Melting Point: 365 deg F
Decomposition Temperature: 365 deg F
Solubility: Moderately soluble in water.
Specific Gravity/Density: 1.2 (water=1)
Molecular Formula: C7H10N2O2
Molecular Weight:

Section 10 - Stability and Reactivity

Chemical Stability: Stable. However, may decompose if heated.
Conditions to Avoid: Incompatible materials, temperatures above 500C.
Incompatibilities with Other Materials: Strong oxidizers.
Hazardous Decomposition Products: Carbon monoxide, oxides of nitrogen, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information**RTECS#:****CAS# 110-26-9: AS3678000****LD50/LC50:****CAS# 110-26-9:**

Oral, mouse: LD50 = 380 mg/kg;

Oral, rat: LD50 = 390 mg/kg;

Carcinogenicity:**CAS# 110-26-9: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.****Epidemiology:** No information available.**Teratogenicity:** No information available.**Reproductive Effects:** Paternal Effects: Testes/sperm duct/epididymis, oral-mouse
TDLo=3208mg/kg.**Neurotoxicity:** No information available.**Mutagenicity:** Please refer to RTECS# AS3678000 for specific information.**Other Studies:** None.**Section 12 - Ecological Information****Ecotoxicity:** No information available.**Environmental Fate:** No information reported.**Physical/Chemical:** No information available.**Other:** None.**Section 13 - Disposal Considerations**

Dispose of in a manner consistent with federal, state, and local regulations.

RCRA D-Series Maximum Concentration of Contaminants: None listed.**RCRA D-Series Chronic Toxicity Reference Levels:** None listed.**RCRA F-Series:** None listed.**RCRA P-Series:** None listed.**RCRA U-Series:** None listed.**Section 14 - Transport Information**

	US DOT	IATA	RID/ADR	IMO	Canada TDG
Shipping Name:	No information available.	No information available.	No information available.	No information available. POISONOUS SOLID NOS (BIS-ACRYLAMIDE)	
Hazard Class:				6.1(9.2)	
UN Number:				UN2811	
Packing Group:				III	

Section 15 - Regulatory Information

US FEDERAL

TSCA

CAS# 110-26-9 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

Section 302 (RQ)

None of the chemicals in this material have an RQ.

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 110-26-9: acute, sudden release of pressure, reactive.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 110-26-9 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

XN

Risk Phrases:

R 22 Harmful if swallowed.

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 110-26-9: 2

Canada

CAS# 110-26-9 is listed on Canada's DSL/NDSL List.

This product has a WHMIS classification of D1A, D2B.

CAS# 110-26-9 is not listed on Canada's Ingredient Disclosure List.


Exposure Limits

Section 16 - Additional Information

MSDS Creation Date: 8/08/1995

Revision #9 Date: 12/12/1997

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

 Need help with a product? Send [email](#) to Fisher's customer service or call us at 1-800-766-7000.