Acrylamide/Bis-Acrylamide Mixture

Material Safety Data Sheet

Acrylamide/Bis-Acrylamide Mixture

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Section 26 - Appendices
**Exposure: Wear appropriate protective clothing to prevent skin exposure.**

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. A respirator is required if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Section 9 - Physical and Chemical Properties**

**Physical State:** Solid

**Color:** White

**Odor:** None reported

**Vapor Pressure:** Not available

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Viscosity:** Not available

**Boiling Point:** Not available

**Freezing/Melting Point:** Not available

**Decomposition Temperature:** Not available

**Solubility in Water:** Insoluble

**Specific Gravity/Density:** Not available

**Molecular Formula:** Mixture

**Molecular Weight:** Not available

**Stability and Reactivity**

**Chemical Stability:** Stable. However, may polymerize explosively if heated to the melting point. May polymerize on exposure to light.

**Conditions to Avoid:** Light, ignition sources, moisture, exposure to air, heat.

**Incompatibilities with Other Materials:** Metals, oxidizing agents, reducing agents, acids, bases, peroxides.

**Hazardous Decomposition Products:** Carbon monoxide, oxides of nitrogen, carbon dioxide, ammonia and/or derivatives, hydrogen gas.

**Hazardous Polymerization:** Has not been reported.

**RTCAS:** CAS 79-06-1: A83325000
CAS 110-26-9: A83678000
LD50/LC50:

**RTCAS:** CAS 79-06-1: Draize test, rabbit, eye: 100 mg/24H
Moderate: Draize test, rabbit, skin: 500 mg/24H
Mild: Draize test, rabbit, skin: 50 mg/24H
Skin irritation: LD50 = 100 mg/kg; Oral, rabbit: LD50 = 100 mg/kg; Oral, rat: LD50 = 400 mg/kg

**RTCAS:** CAS 110-26-9: Oral, mouse: LD50 = 380 mg/kg;
Oral, rat: LD50 = 350 mg/kg;

**Canicinogenicity:**

- ACDN: A3 - Confirmed animal carcinogen with unknown relevance to humans.
- California: carcinogen, initial date 2/1/90
- NTP: Suspect carcinogen
- IARC: Group 2B carcinogen
- Methylbicycloacrylamide - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:**

ACDIN calls acrylamide a confirmed animal carcinogen with unknown relevance to humans. An epidemiological study involving 8664 workers, 2293 exposed to acrylamide, did not show any significant increase in cancer mortality related to acrylamide exposure.

**Toxicity:**

- See actual entry in RTCAS for complete information.

**Reproductive Effects:**

- See actual entry in RTCAS for complete information.

**Mutagenicity:**

- See actual entry in RTCAS for complete information.

**Hazard Category 2:** CHIP: Chemicals Hazard Information and Packaging for Supply Regulations. (London, England)

**Risk Phrases:**

R 45 May cause cancer.

R 46 May cause irreversible genetic damage.

R 22 Harmful by inhalation and in contact with skin.

R 28 Toxic if swallowed.

R 36/38 Irritating to eyes and skin.

R 43 May cause sensitization by skin contact.

R 42/22/24/25 Toxic: danger of serious damage to health by inhalation, ingestion, contact with skin and if swallowed.

R 62 Possibility of impaired fertility.

**Safety Phrases:**

S 53 Avoid exposure - obtain special instructions before use.

R 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**NWK (Water Danger/Protection):**

Canada
CAS 110-26-9: 2

**RTCAS:** 79-06-1 is listed on the TSCA Inventory.
CAS 110-26-9 is not listed on the TSCA Inventory.

**RTCAS:** CAS 79-06-1 in a Hazardous Air Pollutant (HAP).
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.

**RTCAS:** Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.

**RTCAS:** Clean Air Act:
None of the chemicals in this product are listed as Priority Pollutants under the CWA.

**RTCAS:** None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**RTCAS:** Acrylamide can be found on the following state right to know lists:
California, New Jersey, Pennsylvania, Minnesota, Massachusetts, and New York.

**RTCAS:** California: Acrylamide is not present on state lists from CA, PA, MN, or NJ.

**RTCAS:** California Prop 65

- Warning statement(s) are required in order to comply with the California Safe Drinking Water Act.

- Warning: Acrylamide, a chemical known to the state of California to cause cancer.

**RTCAS:** California: Significant Risk Level:
CAS 79-06-1: 0.5 g/day NAGI.

**RTCAS:** European Union:

- EU REACH: No specific information.

- U.S. EPA: Guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
DATE: 09/19/94

ACCT: 8883255

INDEX: DS887445A

PO: RR1-CHS9539763-FAC3/85

CAS# 78-06-1 is listed on Canada's DSL List
CAS# 110-26-9 is listed on Canada's DSL List
Canadian WHMIS Classifications: D3B, D2A, D2B
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
CAS# 78-06-1 is listed on Canada's Ingredient Disclosure List
CAS# 110-26-9 is not listed on Canada's Ingredient Disclosure List

Section 16 - Other Information

MSDS Creation Date: 8/31/1994
Revision #3 Date: 9/19/1994

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 event shall the company 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 however arising, even if the company has been advised of the possibility of such damages.