

MATERIAL SAFETY DATA SHEET

AVANTI INTERNATIONAL
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Webster, TX 77598

CHEMTREC Emergency Phone: 1-800-424-9300
Product Data Information: (281) 406-5600

Date Issued: February 15, 1998

Health: 2
Flammability: 2
Reactivity: 2



IDENTIFICATION

Trade Name: AV-100 AM Acrylamide Monomer

Ingredient(s): Acrylamide

Percent: \approx 100

CAS Number: 79-06-1

OSHA PEL: 0.30 mg/m³

ACGIH TWA: 0.03 mg/m³

HAZARD RATINGS

NFPA: Health: 2

Fire: 2

Reactivity: 2

Special: None

PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance and Odor: Odorless, white crystalline powder.

Boiling Point: N/L

Vapor Pressure(mm Hg.): N/L

Vapor Density(Air=1): N/L

Specific Gravity(Water = 1): 1.222g/cm³ @ 86°F (30°C)

Melting Point: N/L

Evaporation Rate(Butyl Acetate=1): N/L

Solubility in Water: 58g/100g (68°F/20°C)

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 273.2°F (134°C) Setflash Closed-cup

Flammable Limits: Not applicable, although dust in air may be explosive.

Extinguishing Media: Water spray, carbon dioxide, or dry chemical.

Special Fire Fighting Procedures: Avoid skin contamination and inhalation by wearing full protective clothing and self contained breathing apparatus. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products.

Unusual Fire and Explosion Hazards: Thermal decomposition or combustion may generate toxic gases including carbon monoxide and ammonia.

REACTIVITY

Stability: Not stable; heating to more than 140°F (60°C) or exposing to direct sunlight may cause polymerization.

Incompatibility(Materials to Avoid): Avoid acids, alkalis, peroxides, oxidizing and reducing agents, or carbon steel.

Decomposition: Thermal decomposition or combustion may generate toxic gases including carbon monoxide, ammonia, and hydrogen cyanide.

Polymerization: May occur. Store below 140°F (60°C) with no exposure to direct sunlight.

N/A =Not Applicable

N/E =Not Established

N/D =Not Determined

N/L =Not Listed

MSDS for AV-100 AM Acrylamide Monomer
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STORAGE, DISPOSAL AND SPILL INFORMATION

Storage and Handling: Store in a cool, dry place and away from heat. Do not leave product container open to atmosphere. Take measures not to raise dust, mist, or vapor.

Disposal Method: Incinerate or treat at a sewerage plant in accordance with governmental regulations.

Steps to Be Taken in Case Material is Released or Spilled: Collect into a closed container and dispose of in accordance with governmental regulations. Wash out the area with plenty of water.

Other Precautions: Wear protective clothing when handling this product.

PRECAUTIONARY MEASURES

Respiratory Protection: NIOSH approved organic vapor respirator.

Ventilation: Local exhaust.

Protective Clothing: Long-sleeved shirt, trousers.

Eye Protection: Goggles.

Other Protective Equipment: Rubber or neoprene gloves and boots.

Work/Hygienic Practices: Shower at the end of each shift and wash contaminated clothes before re-use.

HEALTH RELATED DATA

Primary Route(s) of Entry: Skin absorption, eye contact, and inhalation.

Health Hazards: Repeated exposure may result in more than one disease of the nervous system.

Eye Contact: Eye contact may cause conjunctival irritation and corneal injury.

Skin Contact: Skin contact causes irritation, reddening, and peeling.

Inhalation: Repeated inhalation affects nervous system.

Ingestion: Repeated ingestion affects nervous system.

First Aid Procedures:

Eyes: Flush with water for 15 minutes. Get medical attention.

Skin: Wash thoroughly with soap and water. Get medical attention.

Inhalation: Remove to fresh air. Get medical attention.

Ingestion: Drink water and induce vomiting. Take 50 grams of activated charcoal by mouth.

Get immediate medical attention. (Never give anything by mouth to an unconscious or convulsing person.)

TOXICITY DATA

Carcinogenicity: This material is listed as a potential carcinogen by the IARC.

LD₅₀: Oral(rat): 175 mg/kg

The information on this MSDS is accurate to the best of Avanti International's knowledge. Avanti International makes no express or implied warranty, and in no case shall be liable for consequential, special or indirect damages resulting from the use or handling of this product.

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