

DMAE

SECTION 1 :: PRODUCT IDENTIFICATION

Product Name: DMAE

INCI Name: Dimethylaminoethanol Natural (Bitartrate)

CAS No. 5988-51-2

SECTION 2 :: HAZARDS IDENTIFICATION

Potential Health Effects

Eye Dust can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin May cause skin irritation or injury.

Swallowing Swallowing large amount maybe harmful.

Inhalation This material is a dust or may produce dust. Breathing large amount may be harmful.

Symptoms of Exposure Burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

Target Organ Effects No data

Developmental Information There are no data available for assessing risk to the fetus from maternal exposure to this material.

Cancer Information This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

Primary Route(s) of Entry Inhalation, Skin contact, Eye contact.

SECTION 3 :: FIRST AID MEASURES

Eyes If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin Wash affected area with copious amounts of water.

Swallowing Drink 1-2 glasses of water. Call a physician. Seek medical treatment if discomfort persists.

Inhalation If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians No data

SECTION 4 :: FIRE FIGHTING MEASURES

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Flash Point	Not applicable
Explosive Limit	Not applicable
Autoignition Temperature	No data
Hazardous Products of Combustion	May form: carbon oxides, nitrogen oxides.
Fire and Explosion Hazards	Organic dusts can form explosive mixtures in air.
Extinguishing Media	Regular foam, water fog, carbon dioxide, sand.
Fire Fighting Instructions	Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipments.
NFPA Rating	No data

SECTION 5 :: ACCIDENTAL RELEASE MEASURES

Small Spill	Sweep up material for disposal or recovery.
Large Spill	Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material.

SECTION 6 :: HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing and wash before reuse. Shower after work using plenty of soap and water.

Storage

Store in a cool, dry place at 75 degrees F or lower. Keep the container airtight.

SECTION 7 :: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection	Wear safety glasses in compliance with OSHA regulations.
Skin Protection	Wear resistant gloves such as: latex.
Respiratory Protections	3M Dust respirator No. 8710 or 9900 is recommended or a NIOSH/MSHA jointly approved dust respirator.
Engineering Controls	Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse

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effects).
Exposure Guidelines Component
DMAE Bitartrate No exposure limits established

SECTION 8 :: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	Not applicable
Vapor Pressure	Not applicable
Specific Vapor Density	Not applicable
Specific Gravity	No data
Liquid Density	Not applicable
Percent Volatiles	No data
Evaporation Rate	Not applicable
Appearance	White crystalline powder
State	Solid
Physical Form	Crystalline powder
Color	White
pH	Not applicable
Solubility in Water	Soluble

SECTION 9 :: STABILITY AND REACTIVITY

Hazardous Polymerization	Product will not undergo hazardous polymerization.
Hazardous Decomposition	May form: carbon oxides, nitrogen oxides.
Chemical Stability	Stable under ordinary conditions of use and storage.
Incompatibility	No data
Materials To Avoid	Oxidizing materials.

SECTION 10 :: TOXICOLOGICAL INFORMATION

No data

SECTION 11 :: ECOLOGICAL INFORMATION

No data

SECTION 12 :: DISPOSAL CONSIDERATION

Waste Management Information	Dispose of with other normal, solid waste.
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SECTION 13 :: TRANSPORT INFORMATION

No data

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SECTION 14 :: REGULATORY INFORMATION

No data

SECTION 15 :: OTHER INFORMATION