

Material Safety Data Sheet

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MESALAMINE

EMERGENCY OVERVIEW - This material is a skin and eye irritant.

SECTION I - IDENTIFICATION

Common Name : Mesalamine
Synonym : 5-Aminosalicylic acid
Formula : $C_7H_7NO_3$
Chemical Name : Benzoic acid, 5-Amino-2-hydroxy-
CAS Number : 89-57-6
RTECS Number : VO1400000
Chemical family : Not found
Therapeutic category : Anti-inflammatory

SECTION-2 INGREDIENT INFORMATION

Principle Components	Percent	Exposure Limits
Mesalamine	Pure Material	Not found

SECTION-3 HEALTH HAZARD

Usual Adult Dose : The usual oral adult dose of mesalamine is 1000 mg four times a day.
Adverse Effect : Adverse effects include stomach pain, gas, headache and nausea. Possible allergic reaction to material if inhaled, ingested or in contact with skin.
Overdose Effects : Not found

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Acute :	Possible eye, skin, gastrointestinal and/or respiratory tract irritation.
Chronic :	Possible hypersensitization.
Inhalation :	May cause irritation. Remove to fresh air.
Eye :	May cause irritation. Flush with copious quantities of water.
Skin :	May cause irritation. Flush with copious quantities of water.
Ingestion :	May cause irritation. Flush out mouth with water. This material is absorbed from the gastrointestinal tract.
Medical conditions Aggravated by Exposure :	Hypersensitivity to material and impaired kidney function.
Cross Sensitivity :	Persons sensitive to olsalazine, sulfasalazine or salicylates may be sensitive to this material also.
Pregnancy Comments :	Adequate and well-controlled pregnancy studies in humans have not been done. Studies in animal have not shown that mesalamine causes adverse effects in the embryo or the fetus.
Pregnancy Category :	B
<div>SECTION 4 - FIRST AID MEASURES</div>	
General :	Remove from exposure. Remove contaminated clothing. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention. If person is not breathing give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention.
Overdose Treatment :	In the event of an overdose induce vomiting and administer activated charcoal.

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SECTION 5 - TOXICOLOGICAL INFORMATION

Oral Rat : LD50 : > 2000 mg/Kg.
 Oral Mouse LD50 : 5000 mg/Kg.
 Irritancy Data : Not found
 Target Organ(s) : Not found.
 Listed as a carcinogen : NTP : No IARC : No OSHA : No.
 Other : No.

SECTION 6 - FIREFIGHTING MEASURES

Flash Point : Not found Upper Flammable Limit : Not found
 Auto Ignition Temperature : Not found Lower Flammable Limit : Not found
 Extinguishers Media Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.
 Fire and Explosion Hazards This material is assured to be combustible. As with all dry powders it is advisable to ground mechanical equipment's in contact with dry materials to dissipate the potential buildup of static electricity.
 Firefighting Procedure : As with all fires evacuate personal to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.

SECTION 7 - PHYSICAL HAZARDS

Conditions to Avoid : Exposure to air may cause material to darken.
 Incompatibilities : Not found
 Decomposition Products : When heated to decomposition material emits toxic fumes of NOx. Emits toxic fumes under fire conditions.
 Stable ? Yes Hazardous Polymerization ? No.

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SECTION 8 – HANDLING / SPILL / DISPOSAL MEASURES.
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Handling :	As a general rule, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Wash thoroughly after handling.
Storage :	Store in tight, light-resistant container . This material should be handled and stored as per label instructions to ensure product integrity.
Spill Response :	Wear approved respiratory protection, chemically compatible gloves and protective clothing. Wipe up spillage or collect spillage using a high efficiency vacuum cleaner. Avoid breathing dust. Place spillage in appropriately labeled container for disposal. Wash spill site.
Disposal :	Dispose of waste in accordance with all applicable Federal, State and local laws.

SECTION 9 – EXPOSURE CONTROLS / PERSONAL PROTECTION
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Respiratory Protection :	When working with small quantities in a well-ventilated area, respiratory protection may not be required. The use of an approved dust mask is recommended.
Ventilation :	No special ventilation requirements.
Gloves :	Rubber
Eye Protection	Safety Glasses
Protective Clothing :	Protect exposed skin.

SECTION 10 – PHYSICAL AND CHEMICAL PROPERTIES
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Appearance and Odor :	White to pinkish –white crystalline powder , odorless.		
Melting Point :	260 – 280°C (decomposes)		
Solubility in Water :	Slightly Soluble	Vapour density	: Not found
Boiling Point :	Not found	Evaporation Rate	: Not found
Specific Gravity :	1 @ 77°F	Reactivity in water	: Not found.
Vapour Pressure :	Not found	% Volatile by volume	: Not found.

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