SIGMA-ALDRICH MATERIAL SAFETY DATA SHEET Date Printed: 01/09/2009 Date Updated: 01/31/2006 Version 1.5 Section 1 - Product and Company Information Product Name 1-METHYLHISTAMINE DIHYDROCHLORIDE M4910 Product Number Brand SIGMA Sigma-Aldrich Canada, Ltd Company Address 2149 Winston Park Drive Oakville ON L6H 6J8 CA Technical Phone: 9058299500 9058299292 Fax: 800-424-9300 Emergency Phone: Section 2 - Composition/Information on Ingredient Substance Name SARA 313 1-METHYLHISTAMINE DIHYDROCHLORIDE 6481-48-7 C6H11N3 2HC1 Formula Section 3 - Hazards Identification EMERGENCY OVERVIEW Irritant. Irritating to eyes, respiratory system and skin. Possible sensitizer. HMIS RATING HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0 NFPA RATING FLAMMABILITY: 0 REACTIVITY: 0 For additional information on toxicity, please refer to Section 11. Section 4 - First Aid Measures ORAL EXPOSURE If swallowed, wash out mouth with water provided person is conscious. Call a physician. INHALATION EXPOSURE If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. DERMAL EXPOSURE In case of contact, immediately wash skin with soap and copious amounts of water. EYE EXPOSURE In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Section 5 - Fire Fighting Measures FLASH POINT N/A AUTOIGNITION TEMP FLAMMABILITY N/A EXTINGUISHING MEDIA Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam. FIREFIGHTING Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions. Section 6 - Accidental Release Measures PROCEDURE(S) OF PERSONAL PRECAUTION(S) Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. METHODS FOR CLEANING UP Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. Section 7 - Handling and Storage HANDLING User Exposure: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Suitable: Keep tightly closed. Store with desiccant. Store at 2-8°C Section 8 - Exposure Controls / PPE ENGINEERING CONTROLS Safety shower and eye bath. Mechanical exhaust required. PERSONAL PROTECTIVE EQUIPMENT Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. GENERAL HYGIENE MEASURES Wash thoroughly after handling. Wash contaminated clothing before Section 9 - Physical/Chemical Properties Physical State: Solid Appearance Color: White Page 2 SIGMA - M4910 www.sigma-aldrich.com Property Value At Temperature or Pressure 198.1 AMU Molecular Weight N/A BP/BP Range N/A MP/MP Range 202.0 - 203.0 °C N/A Freezing Point Vapor Pressure N/A Vapor Density Saturated Vapor Conc. N/A SG/Density N/A Bulk Density N/A Odor Threshold N/A Volatile% N/A

N/A Surface Tension Partition Coefficient N/A N/A Decomposition Temp. Flash Point N/A Explosion Limits Flammability Autoignition Temp N/A Refractive Index N/A Optical Rotation N/A N/A Miscellaneous Data Solubility N/A N/A = not available Section 10 - Stability and Reactivity STABILITY Stable: Stable. Conditions to Avoid: Moisture. Materials to Avoid: Strong oxidizing agents. HAZARDOUS DECOMPOSITION PRODUCTS Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and nitrogen oxides, Hydrogen chloride gas. HAZARDOUS POLYMERIZATION Hazardous Polymerization: Will not occur Section 11 - Toxicological Information ROUTE OF EXPOSURE Skin Contact: Causes skin irritation. Eye Contact: Causes eye irritation. Inhalation: Material is irritating to mucous membranes and upper respiratory tract. Multiple Routes: May be harmful by inhalation, ingestion, or

Sensitization: Prolonged or repeated exposure may cause allergic

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Page 3

Page 4

Page 5

reactions in certain sensitive individuals.

The toxicological properties have not been thoroughly

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Non-Haxardous for Transport: This substance is considered to be non-haxardous for transport.

Non-Hazardous for Air Transport: Non-hazardous for air

Dissolve or mix the material with a combustible solvent and burn

Risk Statements: Irritating to eyes, respiratory system and skin.

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immediately with plenty of water and seek medical advice. Wear

in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental

N/A

N/A

N/A N/A

DOT
Proper Shipping Name: None

skin absorption.

CONDITIONS AGGRAVATED BY EXPOSURE

Section 12 - Ecological Information

Section 13 - Disposal Considerations

Section 15 - Regulatory Information

Indication of Danger: Irritant.

Indication of Danger: Irritant.

suitable protective clothing.

UNITED STATES REGULATORY INFORMATION

CANADA REGULATORY INFORMATION

US Statements: Possible sensitizer.

EU ADDITIONAL CLASSIFICATION Symbol of Danger: Xi

SENSITIZATION

SIGMA - M4910

investigated.

No data available.

regulations.

transport.

R: 36/37/38

SARA LISTED: No

DSL: No NDSL: No

WARRANTY

s: 26-36

VOC Content

Viscosity

Water Content

Solvent Content Evaporation Rate

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

US CLASSIFICATION AND LABEL TEXT

Safety Statements: In case of contact with eyes, rinse

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS

The above information is believed to be correct but does not

knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any

purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our

guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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Section 16 - Other Information

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