MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Methyl red C.I.#13020
Catalogue Number: C512, C5121, C5125.
Other Names: C.I. Acid Red; 2-(4-Dimethylaminophenylazo) benzoid acid; C.I. 13020; p-(Dimethylamino)azobenzene-o-carboxylic acid; Methyl Red.
Recommended Use: For staining slides for use in microscopy.
Supplier Name: ProSciTech
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444 Fax Number: (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Not classified as hazardous according to criteria of NOHSC.
Hazardous and/or Dangerous Nature: NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
Risk Phrases: S24/25 Avoid contact with skin and eyes.
Safety Phrases: 

SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

SUBSTANCE: Chemical Identity: Methyl red.
Common Name(s): C.I. Acid Red; 2-(4-Dimethylaminophenylazo) benzoid acid; C.I. 13020; p-(Dimethylamino)azobenzene-o-carboxylic acid; Methyl Red.
CAS Number(s): 493-53-7

MIXTURE:
Ingredients Cas Number(s) Proportion (%)
Methyl Red 493-52-7 98

SECTION 4 - FIRST AID MEASURES

Swallowed: If swallowed – DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical aid.
Eye: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical aid.
Skin: Remove contaminated clothing and shoes. Wash skin with plenty of water. Seek medical aid if irritation persists. Wash clothing and shoes before reuse, if unable to wash thoroughly dispose of responsibly.
Inhaled: Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Seek immediate medical attention.
First Aid Facilities: Eyebath/eyewash & Safety shower.
Medical Attention & Special Treatment: Treat symptomatically and supportively.
ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media: For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.
Hazards from Combustion Products: Nitrogen oxides, carbon monoxide, carbon dioxide.
Precautions for Fire Fighters: Wear appropriate protective equipment for surrounding fire, combustion generates toxic fumes – wear self contained breathing apparatus (MSHA/NIOSH approved). This substance is in sufficient quantity and reduced particle size is capable of creating a dust explosion.
Hazchem Code: Not available.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Not available.
Containment and clean up:
Clean up spills immediately, use appropriate protective equipment (see Section 8). Sweep up the spill and place into a suitable sealable container for disposal. Avoid generating dusty conditions, provide adequate ventilation.

SECTION 7 - HANDLING & STORAGE
Precautions for Safe Handling:
Wash thoroughly after handling. Use only in an area with adequate ventilation. Minimise dust generation and accumulation. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation.
Conditions for Safe Storage:
Store in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION
National Exposure Standards: No exposure standard allocated.
Biological Limit Values: No biological limit allocated.
Engineering Controls:
Use an adequate ventilation system to keep airborne concentrations low. The facility should be equipped with an eye bath and safety shower.
Personal Protective Equipment:
Wear appropriate protective equipment to prevent contact with skin and eyes. Safety goggles, gloves and lab apron are recommended.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES
Appearance: Solid powder, dark red to purple.
Odour: None reported.
pH: Not available.
Vapour pressure (mm of Hg at 25 °C): Negligible.
Vapour density: Not available.
Boiling point/range (°C): Not available.
Freezing/melting point (°C): 179-182°C.
Solubility: Insoluble in water.
Specific gravity or density: Not available.
Flash Point: Not available.
Flammable (explosive) limits: Not available.
Ignition temperature: Not available.
Additional Information:

SECTION 10 - STABILITY AND REACTIVITY
Chemical stability: Stable under normal conditions of use.
Conditions to avoid: Dust generation, excess heat.
Incompatible Materials: Strong oxidising agents.
Hazardous Decomposition: Nitrogen oxides, carbon monoxide, carbon dioxide.
Products:
Hazardous Reactions: None have been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION
Exposure and Health Effects:
Chronic exposure may cause liver damage.
Ingestion:
May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.
Inhalation:
May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.
Skin Contact:
May cause skin irritation.
Eye Contact:
Contact may cause transient eye irritation. This product contains anionic dye. Similar dyes have not caused injury to the cornea or conjunctiva in documented exposure cases with human or rabbit eyes.
Human/Animal data: Not available.
Carcinogenicity: Group 3 Carcinogen - Unclassifiable as to carcinogenicity in humans.

SECTION 12 – ECOLOGICAL INFORMATION
Ecotoxicity: Not available.
Persistence and degradability: Not available.
Mobility: Not available.
Additional Information:

SECTION 13 - DISPOSAL CONSIDERATIONS
Disposal Methods: Dispose of in accordance with local, state and federal laws.
Special Precautions:

SECTION 14 - TRANSPORT INFORMATION
UN Number: Not regulated.
UN Proper Shipping Name: Not regulated.
Class and Subsidiary risk: Not regulated.
Packing Group: Not regulated.
Special Precautions for User: Not available.
Hazchem Code: Not available.

SECTION 15 - REGULATORY INFORMATION
Poison Schedule Number: None allocated.

SECTION 16 - OTHER INFORMATION
Date of preparation of MSDS: August 10
Comments:

The information published in this Material Safety Data Sheet has been compiled from data in various technical publications. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.