MATERIAL SAFETY DATA SHEET (MSDS)

MATERIAL SAFETY DATA SHEET

EM SCIENCE



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer....:

EM SCIENCE

A Division of EM Industries

P.O. Box 70

480 Democrat Road

Gibbstown, N.J. 08027

Preparation Date.: 3/3/94

Information Phone Number.: 856-423-6300

Hours: Mon. to Fri. 8:30-5

Chemtrec Emergency Number: 800-424-9300

Hours: 24 hrs a day

Catalog Number(s):

MX1400

Product Name:

Methyl Red Hydrochloride

Synonyms:

None

mical Family:

Dyes, Stains, and Indicators

Formula:

C₁₅H₁₅N₃O₂ . HCl

Molecular Weight .:

305.77

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component

CAS #

Appr %

Methyl Red Hydrochloride

63451-28-5

100%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Handling care generally in keeping with safe laboratory

ices is recommended.

Appearance:

Purple, red crystals

POTENTIAL HEALTH EFFECTS (ACUTE AND CHRONIC)

Symptoms of Exposure:

No harmful effects indicated from available information. Handling care generally in keeping with safe laboratory practices is recommended.

Medical Cond. Aggravated by Exposure:

None indicated

Routes of Entry:

Inhalation, ingestion

Carcinogenicity:

The material is not listed (IARC, NTP, OSHA) as cancer causing agent.

4. FIRST AID MEASURES

Emergency First Aid:

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.

Skin: Wash thoroughly with soap and water.

Eyes: Immediately flush thoroughly with water for at least 15

minutes.

I ation: Remove to fresh air; give artificial respiration if

breathing has stopped.

Ingestion: Get immediate medical attention; if conscious, give

water freely.

5. FIRE FIGHTING MEASURES

Flash Point (F): N/A

Flammable Limits LEL (%): N/A Flammable Limits UEL (%): N/A

Extinguishing Media:

Use any suitable for adjacent material.

Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing.

Fire & Explosion Hazards:

None indicated

6. ACCIDENTAL RELEASE MEASURES

Spill Response:

Evacuate the area of all unnecessary personnel. Wear suitable protective equipment listed under Exposure / Personal Protection. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards. Contain the

release and eliminate its source, if this can be done without risk. Take up and containerize for proper disposal as described under Disposal: Comply with Federal, State, and local regulations on reporting releases. Refer to Regulatory Information for reportable quantity and other regulatory data.

7 HANDLING AND STORAGE

Handling & Storage:

Keep container closed. Do not breathe dust. Do not get in eyes. Avoid prolonged, or repeated, skin contact.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT:

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:

Material should be handled or transferred in an approved fume hood or with adequate ventilation. Protective gloves should be worn to prevent skin contact (Neoprene or equivalent) Safety glasses with side shields should be worn at all times.

Work/Hygenic Practices:

Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available.

EXPOSURE GUIDELINES

OSHA - PEL:

	TWA		STEL		CL		
Component	PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	Skin
Methyl Red	Hydroc	hloride					

ACGIH - TLV:

Component	TWA		STEL		CL			
	Component	PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	Skin
	Methyl Red	Hydroc	hloride					

If there are no exposure limit numbers listed in the Exposure Guidelines chart, this indicates that no OSHA or ACGIH exposure limts have been established.

9. PHYSICAL AND CHEMCIAL PROPERTIES

Boiling Point (C 760 mmHg): N/A

Melting Point (C): 181C

Specific Gravity $(H_20 = 1)$: N/A

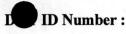
Vapor Pressure (mm Hg): N/A
Percent Volatile by vol (%): N/A
Vapor Density (Air = 1): N/A
Evaporation Rate (BuAc = 1): N/A

Solubility in Water (%): Slight Appearance:			
Purple, red crystals			
12-STABILITY AND REACTIVITY			
Stability: Yes			
Hazardous Polymerization: Does not occur			
Hazardous Decomposition: CO _x , NO _x , HCl			
Conditions to Avoid: None indicated			
Materials To Avoid:			
() Water() Acids() Bases() Corrosives(X) Oxidizers			
11. TOXICOLOGICAL INFORMATION			
Toxicity Data			
None established			
Toxicological Findings: None Cited in Registry of Toxic Effects of Chemical Substa	ances (RTECS)		
12. DISPOSAL CONSIDERATIONS			
EPA Waste Numbers:			
Treatment: Material does not have an EPA Waste number and is a sal site (TSD) should be accomplished. ALWAYS CONTACT A PERMITTED WASTE DECURRENT LOCAL, STATE AND FEDERAL RE	DISPOSER (TSD) TO	- 1	

13. TRANSPORT INFORMATION

DOT Proper Shipping Name:

non-regulated



none

14. REGULATORY INFORMATION

TSCA Statement:

The CAS number of this product is NOT listed on the TSCA Inventory.

For Research and Development Use Only; Not for Manufacturing or Commercial Purposes.

SARA SARA CERCLA
Component EHS EHS TPQ RQ
(302) (1bs) (1bs)

Methyl Red Hydrochloride

OSHA Floor List SARA 313 DeMinimis for SARA 313

(왕)

Methyl Red Hydrochloride

Component

If there is no information listed on the regulatory information chart, this indicates that the chemical is not covered by the specific regulation listed.

15. OTHER INFORMATION

Comments:

None

NFPA Hazard Ratings:

Health : 1
Flammability : 0
Reactivity : 0
Special Hazards :

sion History: 3/3/94

N/A = Not Available
N/E = None Establised

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