

**MATERIAL SAFETY DATA SHEET**

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**1. PRODUCT IDENTIFICATION**

CATALOG NO.: R-1003B  
PRODUCT NAME: Acid Meta-Cresol Purple Indicator  
CHEMICAL FAMILY: Triphenylmethane dye solution

**2. INGREDIENTS**

INGREDIENT	CAS NO.	%	NATURE OF HAZARD
m-Cresolsulfonphthalein (meta-cresol purple)	2303-01-7	<1	Irritant
Hydrochloric acid	7647-01-0	<1	Irritant acid
Deionized water	7732-18-5	to 100	None

**3. PHYSICAL/CHEMICAL CHARACTERISTICS**

STATE: Liquid APPEARANCE: Clear, purple ODOR: Sulfidic  
BOILING PT (F): 212 pH: 2 SPECIFIC GRAVITY: 1  
VAPOR PRESSURE (mm Hg): 17 VAPOR DENSITY (AIR=1): .6  
PERCENT VOLATILE BY VOLUME: 99 SOLUBILITY IN WATER: Soluble

**4. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA**

FLASH PT: NA METHOD: NA  
FLAMMABLE LIMITS: LEL: NA UEL: NA  
EXTINGUISHING MEDIA: NA  
SPECIAL PROCEDURES: Wear self-contained (positive pressure if available) breathing apparatus and full-protective clothing  
FIRE/EXPLOSION HAZARDS AND HAZARDOUS DECOMPOSITION PRODUCTS: May emit toxic fumes of carbon oxides, sulfur oxides, hydrogen chloride.  
NFPA CODE: Health: 0 Flammability: 0 Reactivity: 0 Specific: NA  
CONDITIONS TO AVOID: Extreme heat, temperatures.

**5. HEALTH HAZARD DATA**

INGREDIENT: Hydrochloric acid  
TOXICITY: LD50(ori-rbt): 900 mg/kg LC50(ihl-rat): 3124 ppm/1H  
PEL: 7 mg/m<sup>3</sup> (ceiling) TLV: 7 mg/m<sup>3</sup> (ceiling)  
STEL: NE  
ROUTE(S) OF ENTRY: Inhalation Ingestion X Skin X  
TARGET ORGAN(S): Eyes, skin  
CARCINOGENICITY: NTP No IARC No OSHA No  
HEALTH HAZARDS AND SYMPTOMS OF EXPOSURE:  
EYES: Irritant  
SKIN: Irritant. Contact may cause staining.  
INGESTION: Irritant. May cause gastrointestinal irritation.  
INHALATION: NA  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye and skin conditions

## 6. PRECAUTIONARY MEASURES

PROTECTIVE EQUIPMENT: General purpose gloves, safety glasses, lab coat

HANDLING: Avoid contact with eyes, skin, and clothing. Avoid breathing chemical. Wash thoroughly after handling.

STORAGE: Cool, dry area. Avoid direct sunlight.

## 7. EMERGENCY AND FIRST AID PROCEDURES

EYE AND SKIN CONTACT: Immediately flush eyes with water for 15 minutes. Call physician.

Wash skin thoroughly with soap and water.

INGESTION: Give large amounts of water. Call physician. Induce vomiting under direction of physician.

INHALATION: NA

## 8. SPILL AND DISPOSAL PROCEDURES

SPILL OR RELEASE: Absorb with vermiculite or other inert material.

Containerize for later disposal.

DISPOSAL: Incineration or other method to comply with all local, state, and federal regulations.

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NA = Not applicable

ND = Not determined

NE = Not established

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This Material Safety Data Sheet has been prepared in accordance with 29 CFR Part 1910.1200 and contains information believed to be accurate and complete at the date of preparation. However, no warranty is expressed or implied. Advice given under "Spill and Disposal Procedures" assumes compliance with federal, state, and local regulations regarding the disposal of hazardous waste.

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