

R-0872

MATERIAL SAFETY DATA SHEET

MANUFACTURER: TAYLOR TECHNOLOGIES, INC
31 LOVETON CIRCLE
SPARKS, MD 21152
TELEPHONE: 410-472-4340

1. PRODUCT IDENTIFICATION

CATALOG NO.: R-0872
PRODUCT NAME: FAS-DPD Titrating Reagent (Bromine)
CHEMICAL FAMILY: Inorganic salt solution

2. INGREDIENTS

INGREDIENT	CAS NO.	%
NATURE OF HAZARD		
Ferrousethylene- Irritant	63589-59-3	<1
diammonium sulfate		
Sulfuric acid Irritant acid	7664-93-9	<1
Deionized water	7732-18-5	to 100
None		

3. PHYSICAL/CHEMICAL CHARACTERISTICS

STATE: Liquid APPEARANCE: Clear, colorless
ODOR: None
BOILING PT (F): 212 pH: 2.2 SPECIFIC GRAVITY: 1
VAPOR PRESSURE (mm Hg): 17 VAPOR DENSITY (AIR=1): .6
PERCENT VOLATILE BY VOLUME: 98 SOLUBILITY IN WATER: Soluble

4. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA

FLASH PT: NA METHOD: NA
FLAMMABLE LIMITS: LEL: NA UEL: NA
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide
SPECIAL PROCEDURES: Wear self-contained (positive pressure if available)
breathing apparatus and special protective clothing
FIRE/EXPLOSION HAZARDS AND HAZARDOUS DECOMPOSITION PRODUCTS: May react violently with water. May react with metals to produce hydrogen gas. May ignite combustible materials. May emit toxic fumes of sulfur oxides.
NFPA CODE: Health: 1 Flammability: 0
Reactivity: 1 Specific: ACID
CONDITIONS TO AVOID: Extreme heat, temperatures. Contact with strong alkali, metals.

5. HEALTH HAZARD DATA

INGREDIENT: Sulfuric acid
TOXICITY: LD50(orl-rat): 2140 mg/kg
PEL: 1 mg/m3 TLV: 1
mg/m3
STEL: 3 mg/m3

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. Contact may cause burns.
SKIN: Irritant. Contact may cause burns.
INGESTION: Irritant. May cause gastrointestinal
irritation.
INHALATION: NA
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye and
skin conditions

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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 baking
soda, soap and water.
INGESTION: Give large amounts of water or large
amounts of water with milk
of magnesia. Call physician. DO NOT INDUCE
VOMITING.
INHALATION: NA

8. SPILL AND DISPOSAL PROCEDURES

SPILL OR RELEASE: Neutralize with soda ash.
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.

NA = Not applicable
ND = Not determined

NE = Not established

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.

DATE

PREPARED: July 1999

Results

Kit Number	Reagent Number	Description
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