

## MATERIAL SAFETY DATA SHEET

MANUFACTURER: TAYLOR TECHNOLOGIES, INC  
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## 1. PRODUCT IDENTIFICATION

CATALOG NO.: R-0008  
 PRODUCT NAME: Total Alkalinity Indicator  
 CHEMICAL FAMILY: Organic dye solution

## 2. INGREDIENTS

INGREDIENT	CAS NO.	%	NATURE OF HAZARD
3,3',5,5'-Tetrabromo-m-cresolsulfonphthalein (bromocresol green)	76-60-8	<1	Irritant
2-[[4-(Dimethylamino)-phenyl]azo]benzoic acid (methyl red)	493-52-7	<1	Irritant
Sodium carbonate	497-19-8	<1	Irritant alkali
Sodium hydroxide	1310-73-2	<1	Irritant alkali
Deionized water	7732-18-5	to 100	None

## 3. PHYSICAL/CHEMICAL CHARACTERISTICS

STATE: Liquid APPEARANCE: Dark green ODOR: None  
 BOILING PT (F): 212 pH: 8.5 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: Dry chemical, carbon dioxide, water spray or foam  
 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.  
 NFPA CODE: Health: 0 Flammability: 0 Reactivity: 0 Specific: NA  
 CONDITIONS TO AVOID: Extreme heat, temperatures.

## 5. HEALTH HAZARD DATA

INGREDIENT: NA  
 TOXICITY: NA  
 PEL: NA TLV: NA  
 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.

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.

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