

MATERIAL SAFETY DATA SHEET

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

1. PRODUCT IDENTIFICATION

CATALOG NO.: R-0630
 PRODUCT NAME: Chromate Indicator
 CHEMICAL FAMILY: Inorganic salt solution

2. INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>%</u>	<u>NATURE OF HAZARD</u>
*Potassium chromate	7789-00-6	5	Carcinogen, oxidizer
Deionized water	7732-18-5	to 100	None

*This chemical is subject to the reporting requirements of SARA Title III Section 313 and 40 CFR 372.

Potassium chromate is not listed specifically in the NTP Annual Report on Carcinogens (latest edition) but would be included under "chromium and certain chromium compounds".

3. PHYSICAL/CHEMICAL CHARACTERISTICS

STATE: Liquid APPEARANCE: Clear, yellow ODOR: None
 BOILING PT (F): 212-215 pH: 9.1 SPECIFIC GRAVITY: 1.04
 VAPOR PRESSURE (mm Hg): 17 VAPOR DENSITY (AIR=1): .6
 PERCENT VOLATILE BY VOLUME: 95 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: Contact with combustible materials may increase fire intensity. May emit toxic fumes.
 NFPA CODE: Health: 1 Flammability: 0 Reactivity: 0 Specific: OXY
 CONDITIONS TO AVOID: Extreme heat, temperatures. Contact with strong reducing agents, combustible materials.

5. HEALTH HAZARD DATA

INGREDIENT: Potassium chromate
 TOXICITY: LDLo(oral-hmn): 50 mg/kg
 PEL: .1 mg/m3 (as CrO3) TLV: .05 mg/m3 (as Cr)
 STEL: NE

5. HEALTH HAZARD DATA - continued

ROUTE(S) OF ENTRY: Inhalation___ Ingestion_X Skin_X

TARGET ORGAN(S): Eyes, skin, kidneys

CARCINOGENICITY: NTP_Yes IARC_Yes OSHA_No

HEALTH HAZARDS AND SYMPTOMS OF EXPOSURE:

EYES: Irritant. Contact may cause conjunctivitis.

SKIN: Irritant. Contact may cause dermatitis.

INGESTION: May cause severe gastrointestinal irritation, circulatory collapse, coma, toxic nephritis.

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: To comply with all local, state, and federal regulations.

9. TRANSPORTATION DATA (U.S. - SURFACE)

PROPER SHIPPING NAME: Not regulated

HAZARD CLASS: NA

IDENTIFICATION NO.: NA

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: February 1992

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