

## MATERIAL SAFETY DATA SHEET

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## 1. PRODUCT IDENTIFICATION

CATALOG NO.: R-0011P  
 PRODUCT NAME: Calcium Indicator Powder  
 CHEMICAL FAMILY: Inorganic salt/organic dye mixture

## 2. INGREDIENTS

INGREDIENT	CAS NO.	%	NATURE OF HAZARD
Potassium chloride	7447-40-7	>50	Irritant
Calcon	2538-85-4	<1	Irritant

## 3. PHYSICAL/CHEMICAL CHARACTERISTICS

STATE: Solid APPEARANCE: purple-brown crystals ODOR: None  
 BOILING PT (F): NA pH: NA SPECIFIC GRAVITY: 2  
 VAPOR PRESSURE (mm Hg): NA VAPOR DENSITY (AIR=1): NA  
 PERCENT VOLATILE BY VOLUME: 1 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 chlorine.  
 NFPA CODE: Health: 0 Flammability: 0 Reactivity: 0 Specific: NA  
 CONDITIONS TO AVOID: Extreme heat, temperatures. Contact with strong oxidizers, bromine trifluoride, (sulfuric acid + potassium permanganate).

## 5. HEALTH HAZARD DATA

INGREDIENT: Potassium chloride  
 TOXICITY: LDLo(oral-hmn): 500 mg/kg  
 PEL: NE TLV: NE  
 STEL: NE

ROUTE(S) OF ENTRY: Inhalation X Ingestion X Skin X

TARGET ORGAN(S): Eyes, skin, respiratory tract

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: Irritant

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye, skin, and respiratory conditions

**6. PRECAUTIONARY MEASURES**

**PROTECTIVE EQUIPMENT:** General purpose gloves, safety glasses, lab coat, dust mask

**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:** Remove to fresh air. Call physician.

**8. SPILL AND DISPOSAL PROCEDURES**

**SPILL OR RELEASE:** Sweep up. Avoid raising dust. 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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