

MATERIAL SAFETY DATA SHEET

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Rxn - R-519

1. PRODUCT IDENTIFICATION

CATALOG NO.: R-0620

PRODUCT NAME: Hardness Indicator Powder

CHEMICAL FAMILY: Organic dye/sucrose mixture

2. INGREDIENTS

INGREDIENT	CAS NO.	%	NATURE OF HAZARD
Sucrose	57-50-1	to 100	None
Nonhazardous ingredients	NA	<1	None

3. PHYSICAL/CHEMICAL CHARACTERISTICS

STATE: Solid APPEARANCE: purple crystals ODOR: None

BOILING PT (F): NA pH: NA SPECIFIC GRAVITY: 1.6

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

EXTINQUISHING 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 monoxide, nitrogen oxides and produce oxygen.

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 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: Contact may cause irritation.

SKIN: 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 20 minutes or until chemical is removed. Call physician. Wash skin thoroughly with soap and water.

INGESTION: Give large amounts of water. Call physician. Induce vomiting under direction of physician. DO NOT induce vomiting or give anything by mouth to a person who is unconscious, rapidly losing consciousness, or convulsing.

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 art 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 2005