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

1. PRODUCT IDENTIFICATION  
CATALOG NO.: R-0620  
PRODUCT NAME: Hardness Indicator Powder  
CHEMICAL FAMILY: Organic dye/sucrose mixture  

2. INGREDIENTS  
<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS NO.</th>
<th>%</th>
<th>NATURE OF HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sucrose</td>
<td>57-50-1</td>
<td>to 100</td>
<td>None</td>
</tr>
<tr>
<td>Nonhazardous ingredients</td>
<td>NA</td>
<td>&lt;1</td>
<td>None</td>
</tr>
</tbody>
</table>

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  
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 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: Large quantities may cause gastrointestinal irritation.  
INHALATION: May cause irritation of mucous membranes.  
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. Treat symptoms as needed. DO NOT 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 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: May 2008