



# MSDS

## Material Safety Data Sheet

**HVC/Aqua Science, LLC**  
1601 Woodland Avenue  
Columbus, Ohio 43219  
(614) 257-1222  
fax (614) 257-0008

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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Product Name: Tower Calcium Indicator (Code 31233)  
Product Use: Laboratory Analytical Reagent  
  
Company: HVC/Aqua Science, LLC  
Address: 1601 Woodland Avenue, Columbus, Ohio 43219-1135  
Telephone Number: (614) 257-1222  
Emergency Phone: (800) 424-9300 CHEMTREC  
Issue Date: 14-Mar-02

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

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HAZARDOUS COMPONENT	CAS NO
NO HAZARDOUS MATERIALS AT GREATER THAN DE MINIMUS QUANTITIES	N/A

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### 3. HAZARDOUS IDENTIFICATION

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#### POTENTIAL HEALTH EFFECTS

**EYES:** Exposure to this product may cause eye irritation and/or redness.

**SKIN CONTACT:** Exposure to this product may cause skin irritation and/or redness.

**SKIN ABSORPTION:** See above

**INGESTION:** Swallowing this product may cause irritation and discomfort in the mouth, throat, and digestive tract.

**INHALATION:** Inhaling this product may cause irritation in the nose, throat, and respiratory tract.

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#### PRECAUTIONARY MEASURES

This product is intended for industrial use only. Keep out of the reach of children.

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### 4. FIRST-AID MEASURES

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**SKIN:** In case of contact, immediately wash affected area with soap and plenty of water. If irritation persists, seek medical attention.

**EYES:** In case of contact, immediately flush eyes with copious amounts of water while holding eyelids apart. If irritation persists, seek medical attention.

**INHALATION:** If symptoms develop as a result of inhalation, immediately move affected individual away from exposure and into fresh air. If symptoms persist, seek medical attention immediately.

**INGESTION:** This product is not considered to be toxic. If problems occur as a result of swallowing this product, seek medical attention immediately.

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### 5. FIRE-FIGHTING MEASURES

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## FLAMMABILITY PROPERTIES

**FLASHPOINT:** Not Flammable

**FIRE AND EXPLOSION:** Not Flammable

**LOWER FLAME LIMIT:** Not Flammable

**UPPER FLAME LIMIT:** Not Flammable

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## EXTINGUISHING MEDIA

This product is nonflammable under usual conditions of use. In case of fire, use an agent suitable for extinguishing the type of surrounding fire.

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## SPECIAL FIREFIGHTING INSTRUCTIONS

Wear self-contained breathing apparatus and protective clothing when fighting fires involving chemicals. Use water spray to cool containers of this product.

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## 6. ACCIDENTAL RELEASE MEASURES / SPILL PROCEDURES

Scoop up and collect spilled material and place into approved hazardous waste container. Disposer must comply with all Federal, State and local regulations or laws regarding disposal or discharge

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## 7. HANDLING AND STORAGE / DISPOSAL

Keep containers of this product closed when not in use. Store this product away from heat and out of direct sunlight.

Containers of this material may be hazardous when empty because emptied containers retain product residue. All precautions outlined in this material safety data sheet must be observed.

The user of this material has the responsibility to dispose of unused material, residues, and containers in compliance with all relevant federal, state, and local laws and regulations regarding treatment, storage, and disposal for hazardous and non-hazardous wastes.

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## 8. PERSONAL PROTECTION

**SKIN:** Avoid prolonged or repeated contact with skin.

**EYES:** Use chemical safety goggles.

**RESPIRATORY:** If workplace exposure limits of this product or any component are exceeded, an NIOSH/MSHA-approved respirator is recommended in absence of proper environmental control.

**GENERAL:** Provide ventilation to control worker exposure, prevent health risk, and reduce aerosol generation. Provide an eyewash fountain and safety shower in close proximity to points of potential exposure.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Reddish-Brown Powder

**MELTING POINT:** UNKNOWN

**ODOR:** No Characteristic odor

**VAPOR PRESSURE:** < 1 mm Hg@ 68 F

**SOLUBILITY IN WATER:** Complete

**BOILING POINT:** Unknown

**pH:** Neutral

**EVAPORATION RATE:** <1 (Butyl acetate=1)

**FREEZING POINT:** Unknown

**PERCENT VOLATILE:** Unknown

**SPECIFIC GRAVITY:** > 1.1

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## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**INCOMPATIBILITY:** Unknown

**DECOMPOSITION PRODUCTS:** Decomposition of this product may yield oxides of carbon.

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## **11. OTHER INFORMATION**

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**DISCLAIMER:** The information accumulated herein is believed to be accurate but is not warranted to be as such, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is correct and suitable to their circumstances.