

**MATERIAL SAFETY DATA SHEET**  
(SIMILAR TO OSHA FORM 174)

N.A. = Not Applicable  
Not Est. = Not Established  
Prop. = Proprietary

**SECTION 1 - MANUFACTURER / DISTRIBUTOR INFORMATION**

**Product Name:** NCL-2 Rapid Action Stone Crystallizer  
**Supplier's Name:** National Chemical Laboratories of PA, Inc.  
**Supplier's Address:** 401 N. 10<sup>th</sup> Street · Philadelphia PA 19123  
**HMIS Hazard Code:** Health: 2 Flammability: 0 Reactivity: 1 Other: B  
**Chemical Family:** Blended Cleaner  
**D.O.T. Shipping Name:** ORM-D

**Product #:** 2529  
**Emergency Phone #:** CHEM-TEL (800) 255-3924  
**Chemical Name:** N.A. Proprietary Blend  
**Formula:** N.A. Blended Product  
**Hazard Class:** N/A      **D.O.T. ID#:** N/A

**SECTION 2 - HAZARDOUS INGREDIENTS**

CHEMICAL NAME	CAS NUMBER	% Concentration Range	Hazard Ratings (TLV/PEL)
*Phosphoric Acid	7664-38-2	PROP.	751 mg/m <sup>3</sup>
Magnesium Silico Fluoride	16949-65-8	PROP.	2.5 mg/m <sup>3</sup>

\* Components are reportable under SARA Title III

**SECTION 3 - PHYSICAL DATA**

**Boiling Point (°F):** N/A  
**Vapor Pressure:** N/A  
**Vapor Density:** N/A  
**Solubility in Water:** Complete  
**Appearance:** Thin, opaque, pink  
**Odor:** Mild, sweet

**Specific Gravity:** 1.1614  
**Evaporation Rate (Butyl Acetate = 1):** N/A  
**Melting Point:** N/A

**SECTION 4 - FIRE AND EXPLOSION DATA**

**Flash Point (°F):** None  
**Flammable Limits:** N/A  
**Extinguishing Media:** None necessary  
**Special Fire Fighting Procedures:** Cool material with water spray.  
**Unusual Fire & Explosion Hazards:** None

**SECTION 5 - HEALTH HAZARD DATA**

**Route(s) of Entry:** Inhalation: Yes Skin: Yes Ingestion: Yes      **Threshold Limit Value:** Not Est.  
**Emergency & First Aid Procedures:** **For Eyes:** Flush eyes with water for at least fifteen minutes. If irritation persists seek medical attention. **If ingested:** Seek immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person. **For Skin:** Wipe off gently and immediately flood surface with water using soap freely. Then cover with moist baking soda or magnesia. If irritation persists seek medical attention. **Inhalation:** Move to fresh air, seek medical attention.  
**Health Hazards (acute or chronic):** Corrosive to skin and eyes.  
**Carcinogenicity:** NTP? IARC Monographs ? OSHA Regulated? NA  
**Signs and Symptoms of Exposure:** Corrosive to eyes and skin causing chemical burns, respiratory irritation and possible injury from breathing mist. May be fatal if large amounts are ingested.  
**Medical Conditions Generally Aggravated by Exposure:** None determined

**SECTION 6 - REACTIVITY DATA**

**Stability:** Stable  
**Conditions to Avoid:** N/A  
**Incompatibility:** Can react with metals to liberate flammable hydrogen  
**Hazardous Polymerization:** Will not occur

**SECTION 7 - SPILL OR LEAK PROCEDURES**

**Steps to be taken if material is released or spilled:** Flush with plenty of water or neutralize with soda and slated lime.  
**Waste disposal method:** Dispose of in accordance with government regulations.

**SECTION 8 - SPECIAL PROTECTION INFORMATION**

**Respiratory Protection:** NIOSH approved respirator for exposure exceeding limits cited in Section 2.  
**Ventilation:** Local exhaust adequate. Special: None needed. Mechanical (general) adequate.  
**Protective Gloves:** Recommended  
**Eye Protection:** Goggles or safety glasses with side shields.  
**Other Protective Equipment:** Face shield and rubber apron may be worn.  
**Work / Hygienic Practices:** Normal good housekeeping and manufacturing procedures.

**SECTION 9 - SPECIAL PRECAUTIONS**

**Precautions to be taken in handling and storage:** Avoid contact with skin or eyes. When storing, make sure containers are not too full, under extremely hot conditions, allow room for expansion.  
**Other Precautions:** None known. Keep out of reach of children. For professional use only.

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Date Prepared – 03/07/08 By: G.C.