

**MATERIAL SAFETY DATA SHEET  
M.S.D.S.**

While NACCO Products believes that data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of tests conducted, the data herein is not to be taken as a warranty or representation for which NACCO Products assumes legal responsibility. They are offered solely for your consideration, investigation and verification. Any use of this data and information must be determined by the user with applicable Federal and State laws and regulations.

---

**I: PRODUCT IDENTIFICATION INFORMATION**

**TRADENAME (as labeled):** NACCOSET 5 DEVELOPER/REPLENISHER CONCENTRATE

**Chemical Name:**

**Chemical Family:**

**Formula:**

**Synonyms:**

---

**EMERGENCY CONTACT:**

**CHEMTREC  
1-800-424-9300**

---

**MANUFACTURER'S NAME:** NACCO/ NATIONAL RESEARCH & CHEMICAL  
444 EAST GARDENA BLVD.  
GARDENA, CA. 90248  
PHONE: (310) 352-6999  
FAX: (310) 527-9963

**Department of Transportation: (SHIPPING INFORMATION)**

**Date Prepared:** January 2003

**Hazardous Classification:** None regulated

**Shipping Name:** Dot Class: 55

**Packing Group:** UN/NA Number:

---

**II: PHYSICAL PROPERTIES**

**V.O.C.:** N/A

**Appearance:** Clear liquid

**Vapor Density (air = 1):** approx.0.8 **Vapor Pressure (at 20°C):** Negligible

**Specific Gravity(H<sub>2</sub>O=1):** 1.251 **Boiling Point/Range1F:**

212°F

**Solubility in Water:** Complete

**Evaporation Rate:** N/A

**Odor:** None

**pH (of 1% solution):** N/A

# Material Safety Data Sheet: NaccoSet 5 Developer/Replenisher Concentrate

---

## III: COMPOSITION INFORMATION

<u>COMPONENTS</u>	<u>CAS#</u>
Potassium Hydroxide	1310-35-3
Hydroquinone	123-31-9
Ethylene Glycol	107-21-1
Boric Acid	10043-35-3

---

## IV: POTENTIAL HEALTH HAZARD DATA

### EFFECTS OF ACUTE OVER- EXPOSURE:

**Eye Contact:** Can cause irritation.

**Skin Absorption:** May cause irritation. Avoid prolonged or repeated contact.

**Inhalation:** Dust may cause upper respiratory tract irritation. Avoid breathing dust.

**Skin Contact:** May cause irritation.

**Swallowing:** May cause nausea, dizziness and headache.

**Other Health Hazards:** None known

---

## V: FIRST AID EMERGENCY PROCEDURES

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

**Skin Contact:** Flush with plenty of water for at least 15 minutes.

**Inhalation:** Immediately move to fresh air. Get medical attention.

**Swallowed:** Immediately contact physician. If conscious, give large amounts of water.

**Other:** None known

# Material Safety Data Sheet: NaccoSet 5 Developer/Replenisher Concentrate

---

## VI: FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** N/A

**Flammable Limits:** N/A

**Lower:**

**Upper:**

**Extinguishing Media:** N/A

**Water Spray:**

**Foam:**

**Carbon Dioxide:**

**Dry Chemical:**

**Special Fire Fighting Procedures:** None

**Unusual Fire/Explosion Hazard:** Keep away from heat, sparks and flame.

**Other:** None known

---

## VII: REACTIVITY DATA

**Stability:**

**Stable:**

X

**Unstable:**

**Conditions to Avoid:**

**Incompatibility:** None

**Hazardous combustion's  
or Decomposition Products:** None

**Hazardous Polymerization:**

**May Occur:**

**Will Not Occur:**

X

---

## VIII: SPILL, LEAK AND DISPOSAL PROCEDURES

**Steps to be taken:** Contain spill by inorganic, non-combustible absorbent, such as, sand, pads or inert material.

**Preparing waste for disposal:** For disposal or discharge, contact Federal, State or Local Agencies.

**NOTE: DISPOSE OF ALL WASTE ACCORDING WITH FEDERAL, STATE AND LOCAL REGULATIONS.**

# Material Safety Data Sheet: NaccoSet 5 Developer/Replenisher Concentrate

---

## IX: SPECIAL HANDLING INFORMATION

**Respiratory Protection:** Use approved dust respirators.

**Ventilation:** Avoid breathing dust. Use in well-ventilated area.

**Protective Gloves:** Rubber or plastic, impervious gloves.

**Eye Protection:** Safety goggles should be worn in chemical handling.

**Other clothing and Equipment:** Apron or lab coat. Also safety shower and eye bath.

**Work practices, hygienic requirements:** Avoid unnecessary personal contact. Wash hands thoroughly with soap and water after handling.

**Other handling and storage requirements:** Store above 48°F.  
KEEP OUT OF REACH OF CHILDREN.

---

## X: OTHER INFORMATION

### HMIS RATINGS CHART:

#### HMIS:

<b>Health:</b>	1	<b>Flammability:</b>	0
<b>Reactivity:</b>	0	<b>Personal Protection:</b>	B

---

## XI: REGULATORY INFORMATION

### SARA TITLE III - SECTION 311/312:

N- Fire Hazard  
N-Sudden release of pressure hazard  
N-Reactivity hazard  
N-Immediate health hazard (acute)  
Y-Delayed health hazard (chronic)

### SARA TITLE III - SECTION 302/304:

This product does not contain extremely hazardous substances at levels, which could require reporting.

### SARA TITLE III = SECTION 313:

This product does not contain toxic chemicals at levels, which require reporting.

### OZONE - DEPLETING CHEMICALS:

None

### CERCLA REPORTABLE QUANTITY:

None

## Material Safety Data Sheet: NaccoSet 5 Developer/Replenisher Concentrate

### **TSCA STATUS:**

All components of these products are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

### **OSHA REGULATIONS:**

Do not apply to this material or it's components. At levels which require reporting.

### **CALIFORNIA PROPOSITION 65:**

This product does not contain chemicals known to the State of California to cause cancer.

### **CALIFORNIA SCAQMO RULE 443.1:**

VOC - not applicable.