

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

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**I: PRODUCT IDENTIFICATION INFORMATION**

**TRADENAME (as labeled):** NEGATIVE PLATE DEVELOPER

**Chemical Name:**

**Chemical Family:**

**Formula:**

**Synonyms:**

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**EMERGENCY CONTACT:**

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

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**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)**

**Hazardous Classification:** None regulated

**Shipping Name:**

**Dot Class:**

**Packing Group:**

**UN/NA Number:**

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**II: PHYSICAL PROPERTIES**

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

**Appearance:** Clear to slight amber

**Vapor Density (air = 1):** N/A

**Vapor Pressure (at 20°C):** NE

**Specific Gravity(H<sub>2</sub>O=1):** 1.093

**Boiling Point/Range°F:** 210°F

**Solubility in Water:** Complete

**Evaporation Rate:** N/A

**Odor:** Mild odor

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

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## III: COMPOSITION INFORMATION

<u>COMPONENTS</u>	<u>CAS#</u>
Benzyl Alcohol	100-51-9
Sodium Butylnaphthalene Sulfonate	25638-17-9
Ammonium Sulfit	10196-04-0

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## IV: POTENTIAL HEALTH HAZARD DATA

### EFFECTS OF ACUTE OVER- EXPOSURE:

**Eye Contact:** Can cause burning and/or irritation.

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

**Inhalation:** Remove to fresh air.

**Skin Contact:** May cause irritation.

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

**Other Health Hazards:** None known.

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## 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 soap and water for at least 15 minutes.

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

**Swallowed:** Immediately contact physician.

**Other:** None known.

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**VI: FIRE AND EXPLOSION HAZARD DATA**

**Flash Point:** >200°F TCC

**Flammable Limits:** N/A

**Lower:**

**Upper:**

**Extinguishing Media:**

**Water Spray:** X      **Foam:** X

**Carbon Dioxide:** X      **Dry Chemical:** X

**Special Fire Fighting Procedures:** Wear self - contained breathing apparatus and protective clothing against contact with skin and eyes.

**Unusual Fire/Explosion Hazard:** None known

**Other:** None known

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**VII: REACTIVITY DATA**

**Stability:**

**Stable:** X

**Unstable:**

**Conditions to Avoid:** None known

**Incompatibility:** None known

**Hazardous combustion's or Decomposition Products:** If exposed to strong acids, combustion could occur.

**Hazardous Polymerization:**

**May Occur:**      **Will Not Occur:** X

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**VIII: SPILL, LEAK AND DISPOSAL PROCEDURES**

**Steps to be taken:** Wear protective clothing, wash spill with copious amounts of water and neutralize with acid.

**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.**

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**IX: SPECIAL HANDLING INFORMATION**

**Respiratory Protection:** None required.

**Ventilation:** 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 tightly sealed.  
KEEP OUT OF REACH OF CHILDREN.

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**X: OTHER INFORMATION**

**HMIS RATINGS CHART:**

**HMIS:**

**Health:  
Reactivity:**

**Flammability:  
Personal Protection:**

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**XI: REGULATORY INFORMATION**

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

N- Fire Hazard  
N-Sudden release of pressure hazard  
N-Reactivity hazard  
Y-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

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**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.