

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

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**I: PRODUCT IDENTIFICATION INFORMATION**

**TRADENAME (as labeled):** NACCOLITH 611 "A" DEVELOPER {LIQUID}

**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 pale yellow liquid

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

**Vapor Pressure (at 20°C):** approx.16

**Specific Gravity(H<sub>2</sub>O=1):** 1.26

**Boiling Point/Range°F:** 210°F

**Solubility in Water:** Complete

**Evaporation Rate:** N/A

**Odor:** Mild pungent odor

**pH (of 1% solution):** approx. 0.6

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**III: COMPOSITION INFORMATION**

<u>COMPONENTS</u>	<u>CAS#</u>
Potassium Metabisulfite	16731-55-8
Sodium Bisulfite Anhydrous	7631-90-5
Sodium Formaldehyde Bisulfite	870-72-4
Hydroquinone	123-31-9
Triethylene Glycol	112-27-6

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**IV: POTENTIAL HEALTH HAZARD DATA**

**EFFECTS OF ACUTE OVER- EXPOSURE:**

**Eye Contact:** May cause irritation.

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

**Inhalation:** Increase rate of respiration.

**Skin Contact:** May cause irritation.

**Swallowing:** May cause nausea and vomiting.

**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.

**Skin Contact:** Flush contaminated areas with plenty of soap and water for at least 15 minutes.

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

**Swallowed:** Do not induce vomiting. Immediately contact physician.

**Other:** None known.

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**VI: FIRE AND EXPLOSION HAZARD DATA**

**Flash Point:** 200°F

**Flammable Limits:**

**Lower:** 2.6%                      **Upper:** 12.6%

**Extinguishing Media:**

<b>Water Spray:</b>	X	<b>Foam:</b>	X
<b>Carbon Dioxide:</b>	X	<b>Dry Chemical:</b>	X

**Special Fire Fighting Procedures:** None.

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

**Other:** None.

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**VII: REACTIVITY DATA**

**Stability:**

**Stable:** X                      **Unstable:**

**Conditions to Avoid:** Direct heat.

**Incompatibility:** Avoid vigorous oxidizing materials.

**Hazardous combustion's  
or Decomposition Products:** Sulfur Dioxide.

**Hazardous Polymerization:**

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

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**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.**

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**IX: SPECIAL HANDLING INFORMATION**

**Respiratory Protection:** None required.

**Ventilation:** Good general ventilation is required.

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

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

**Other clothing and Equipment:** 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.

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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  
N-Immediate health hazard (acute)  
N-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: NaccoLith 611 “A” Developer {Liquid}

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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.