

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

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I: PRODUCT IDENTIFICATION INFORMATION

TRADENAME (as labeled): 2n1 NEGATIVE PLATE DEVELOPER (W/GUM ARABIC)

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)

Hazardous Classification: None regulated

Shipping Name:

Dot Class:

Packing Group:

UN/NA Number:

II: PHYSICAL PROPERTIES

V.O.C.: N/A

Appearance: Clear to slight amber

Vapor Density (air = 1): N/A

Vapor Pressure (at 20°C): Negligible

Specific Gravity(H2O=1): 1.093

Boiling Point/Range1F: 210°F

Solubility in Water: Complete

Evaporation Rate: N/A

Odor: Mild

pH (of 1% solution): 8.4

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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 Sulfite | 10196-04-0 |
| Gum Arabic | 90001-01-5 |

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.

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: N/A

Water Spray:

Foam:

Carbon Dioxide:

Dry Chemical:

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.

VII: REACTIVITY DATA

Stability:

Stable:

X

Unstable:

Conditions to Avoid: None known

Incompatibility: None

Hazardous combustion's

or Decomposition Products: If exposed to strong acids, combustion could occur.

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.

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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:

| | | | |
|--------------------|---|-----------------------------|---|
| Health: | 2 | Flammability: | 0 |
| Reactivity: | 0 | Personal Protection: | 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

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CERCLA REPORTABLE QUANTITY:

None

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 its 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.