

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

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I: PRODUCT IDENTIFICATION INFORMATION

TRADENAME (as labeled): INDICATING STOP BATH

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

Vapor Density (air = 1): N/A

Specific Gravity(H₂O=1): 1.07

Solubility in Water: Complete

Odor: Sharp odor

Appearance: Pink liquid

Vapor Pressure (at 20°C): 11

Boiling Point/Range°F: 224°F

Evaporation Rate: 0.97

pH (of 1% solution): approx.2

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III: COMPOSITION INFORMATION

COMPONENTS

Acetic Acid

CAS#

64-19-7

IV: POTENTIAL HEALTH HAZARD DATA

EFFECTS OF ACUTE OVER- EXPOSURE:

Eye Contact: Can cause chemical burns even when substantially diluted with water.

Skin Absorption: None currently known.

Inhalation: Irritation, coughing, chest pain and difficulty in breathing.

Skin Contact: Can cause chemical burns even when substantially diluted with water.

Swallowing: Burning abdominal pain, nausea, vomiting, shock state, collapse.

Other Health Hazards: Causes severe irritation or chemical burns of mouth, throat, esophagus and stomach.

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: Induce vomiting. Immediately contact physician. If conscious, give large amounts of water.

Other: None known.

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VI: FIRE AND EXPLOSION HAZARD DATA

Flash Point: 106, tag closed cup "ASTM D 56"

Flammable Limits: N/A

Lower: 4.0 **Upper:** 19.9

Extinguishing Media:

Water Spray:	X	Foam:	X
Carbon Dioxide:	X	Dry Chemical:	X

Special Fire Fighting Procedures: Use water spray to cool fire-exposed structures and storage tanks and to disperse vapor cloud if fire is not present.

Unusual Fire/Explosion Hazard: None known

Other: None known

VII: REACTIVITY DATA

Stability:

Stable: X **Unstable:**

Conditions to Avoid: None known.

Incompatibility: Avoid contamination with alkalies, amines, and nitric acid.

Hazardous combustion's or Decomposition Products: Combustion will produce Carbon Dioxide and Carbon Monoxide.

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: If confined within sealed drums and covered tanks, normal ventilation may be adequate. If it is not confined, use localized ventilation at points where vapors may escape to the air.

Protective Gloves: Butyl or PVC.

Eye Protection: Monogoggles.

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 62°F.
KEEP OUT OF REACH OF CHILDREN.

X: OTHER INFORMATION

HMIS RATINGS CHART:

HMIS:

Health:	1	Flammability:	1
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

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 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.