

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

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I: PRODUCT IDENTIFICATION INFORMATION

TRADENAME (as labeled): UNIVERSAL FOUNTAIN SOLUTION

Chemical Name:

Chemical Family: Aqueous Solution

Formula: Proprietary 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: Non- Regulated

Shipping Name: Chemicals N.O.S

Dot Class: 55

Packing Group:

UN/NA Number: N/A

II: PHYSICAL PROPERTIES

V.O.C.: N/A

Appearance: Blue Liquid

Vapor Density (air = 1): Heavier than air

Vapor Pressure (at 201C): n/

Specific Gravity (H2O=1): 1.0257

Boiling Point/Range1F: 210°F

Solubility in Water: Complete

Evaporation Rate: Negligible

Odor: Slight odor

PH (of 1% solution): 3.62 ± .05

III: COMPOSITION INFORMATION

COMPONENTS

CAS#

PERCENTAGE

Glycerin

65-81-5

5-8

Ethylene Glycol

111-76-2

6-9

Phosphoric Acid

7664-38-2

1-2

IV: POTENTIAL HEALTH HAZARD DATA

EFFECTS OF ACUTE OVER- EXPOSURE:

Eye Contact: Can cause irritation.

Skin Absorption: Prolonged or repeated contact will cause skin irritation, chapping, or allergic reactions.

Inhalation: Vapors can cause irritation to nose, throat and respiratory tract.

Skin Contact: May cause skin irritation.

Swallowing: Harmful if swallowed.

Other Health Hazards:

V: FIRST AID EMERGENCY PROCEDURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Consult a Physician if irritation continues.

Skin Contact: Remove contaminated clothing and flush skin with plenty of soap and water for at least 15 minutes. Call Physician if irritation persists

Inhalation: Immediately move to fresh air. Consult a Physician.

Swallowed: Give large amounts of water if conscious. Never give anything to an unconscious person. Contact Physician at once.

VI: FIRE AND EXPLOSION HAZARD DATA

FlashPoint: >250°F

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 NIOSH Approved breathing apparatus and protective clothing against contact with skin and eyes.

Unusual Fire/Explosion Hazard: Contact with strong oxidizing agents. Keep away from heat and flames

VII: REACTIVITY DATA

Stability:

Stable: X

Unstable:

Conditions to Avoid: Avoid contact with heat, sparks or open flames.

Incompatibility: Strong oxidizing agents, sources of ignition.

Hazardous combustion's

or Decomposition Products: Does not normally decompose. 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: To contain spill- use absorbent pads, sand or inert material, collect and place in a disposal container. Small spills and residue may be flushed away with large amounts of water. Use adequate ventilation.

Preparing waste for disposal: Dispose in accordance with Federal, State, and/or local regulations.

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

IX: SPECIAL HANDLING INFORMATION

Respiratory Protection: Use appropriate respiratory apparatus protection.

Ventilation: Well-ventilated area is recommended.

Protective Gloves: Wear latex or neoprene chemical resistant gloves.

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

Other clothing and Equipment: Chemical resistant apron. Also safety shower and eye bath.solutions **Industrial safety shoes.**

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

Other handling and storage requirements: Keep away from combustibles. Store above 48°F and below 85°F. **KEEP OUT OF REACH OF CHILDREN.**

X: OTHER INFORMATION

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HMIS RATINGS CHART: 0=Minimal
2= Moderate
4= Severe

1=Slight
3=serious
B= Safety glasses, gloves

HMIS:

Health: 2
Reactivity: 0

Flammability: 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

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

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 o California to cause cancer.

CALIFORNIA SCAQMO RULE 443.1:

VOC - not applicable.