



HYDRO-ZONE, INC.
17800 TELEGRAPH, ROMULUS, MI 48174
PHONE: (734) 247-4488 FAX (734) 247-4489
EMERGENCY TELEPHONE NO.: (800) 535-5053

MATERIAL SAFETY DATA SHEET

NFPA Hazard Rating:
Health – 2, Flammability – 1, Reactivity - 0

I. GENERAL INFORMATION -----

Code, Trade Name: HZ080093, Hardness Buffer Liquid
Chemical Name: 2-Aminoethanol in Water
Chemical Family: Alcohol/Amine in Water

II. HAZARDOUS INGREDIENTS -----

2-Aminoethanol, CAS #141-43-5 30% V/V
TLV/PEL: 3 ppm TXDS: orl-rat LD50: 2100 mg/kg
Carcinogenicity: Not listed (IARC).

III. HEALTH HAZARD DATA -----

Can be harmful if swallowed or inhaled. Can irritate eyes, skin, nasal and respiratory passages.
Routes of Entry: Ingestion, Inhalation, Skin Contact.

First Aid:

- Eyes:** Flush with water for at least 15 min; get immediate medical assistance.
- Skin:** Remove contaminated clothing and wash with soap and water.
- Inhalation:** Remove to fresh air & give artificial respiration if breathing has stopped.
- Ingestion:** Do not induce vomiting, if conscious give water and get medical attention.

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVER EXPOSURE!

IV. PHYSICAL DATA -----

Boiling Point: N/A Specific Gravity: 1.2
Vapor Density: N/A pH: 10
Water Solubility: Miscible
Appearance & Odor: Clear liquid with ammonia odor

V. FIRE & EXPLOSION HAZARD DATA -----

Flash Point: Flammable
Extinguishing Media: Media suitable for surrounding material.
Special Procedures: Wear self contained breathing apparatus and protective clothing if necessary.
Unusual Fire & Explosion Hazards: Low/Moderate fire hazard

VI. REACTIVITY DATA -----

Conditions To Avoid: Ignition source, strong acids and oxidizers
Hazardous Combustion & Decomposition Products: CO₂, NO_x

VII. SPECIAL PROTECTION -----

Provide adequate general and local exhaust ventilation.
Protect eyes and skin with safety goggles and gloves.
Do not get in eyes, on skin or clothing.
Wear self contained breathing apparatus in high vapor areas.
Do not breathe vapors.

VIII. HANDLING AND STORAGE PRECAUTIONS -----

Keep container tightly closed.
Store in cool, dry, well ventilated area.
Keep away from ignition source, acids, oxidizers.
Wash thoroughly after handling.
Empty containers may be hazardous due to retained residue.

DOT - Non-Regulated Material

IX. ENVIRONMENTAL PROTECTION -----

Spill Response: Absorb with sand or vermiculite and scoop up and containerize for proper disposal.

Waste Disposal: Comply with all local, state and federal regulations.

The above information is to be used only as a guide, and does not profess to be all inclusive. Hawk Creek Laboratory shall not be held liable for any damage resulting from the handling or contact with the above product.

N/A = Not Available
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