

1. IDENTIFICATION

Product name: Pointe Hitachi Detergent (CATALOG No. HI790-DET)

Product Use: For use as a detergent on Hitachi analyzers.

Supplier: MedTest Dx: Pointe Brand
5449 Research Drive
Canton, Michigan 48188
Ph: 1-734-487-8300
Fax: 1-734-483-1592
Email: info@medtestdx.com

Emergency: Tel. 1-800-445-9853

2. HAZARD(S) IDENTIFICATION

Hazard Classifications:

Corrosive to metals (Category 1)
Skin corrosion/irritation (Category 1)
Serious eye damage/eye irritation (Category 1)
Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3)

Hazard Statements

H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.

Precautionary Statements

Prevention:

P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P264: Wash skin thoroughly after handling.
P271: Use only in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P310: Immediately call a POISON CENTER or doctor/physician.
P363: Wash contaminated clothing before reuse.
P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
P304 + P340: IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P501: Dispose of contents/container to an approved waste disposal facility.



Signal Word: Danger

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ethanolamine (CAS # 141-43-5) 10%-30%.
Sodium Hydroxide (CAS # 1310-73-2) 5%-10%.

4. FIRST AID MEASURES

SKIN: In case of contact, immediately flush area with plenty of water. Immediately remove contaminated clothing.

EYES: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

ORAL: If ingested drink water (two glasses at most), avoid vomiting. Call a physician immediately. Do not attempt to neutralize. Never give anything by mouth to an unconscious person.

INHALATION: If inhaled move victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen, and call physician.

Acute and Delayed systems: Irritation and corrosion, bronchitis, cough, shortness of breath, drowsiness, nausea, collapse, risk of blindness.

5. FIRE-FIGHTING MEASURES

Flammable: NO
Extinguishing media: Water, Foam, Carbon Dioxide, Dry Powder
Flash point: > 199.9 °F (> 93.3 °C)
Upper flammable limit: Not Applicable
Lower flammable limit: Not Applicable
Auto ignition temperature: Not Applicable
Hazardous combustion products: Nitrogen oxides

Explosion data

Sensitivity to mechanical impact: Not Applicable
Sensitivity to static discharge: Not Applicable
Unusual fire and explosion hazards: No Data

6. ACCIDENTAL RELEASE MEASURES

Local exhaust: Not Required
Protective clothing: Lab Coat
Protective gloves: Rubber/Latex
Eye protection: Safety glasses
Respiratory protection: None normally required- only required if vapors or aerosols are generated.
Leak and spill procedure: Collect spillage and dispose of to a waste disposal plant. Prevent entry into water system.

7. HANDLING AND STORAGE

Handling: Normal precautions for handling chemicals must be observed.
Storage: Store at room temperature. Tightly closed containers.
Shipping regulations: Not regulated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Local exhaust: Not Required
Protective clothing: Lab Coat
Protective gloves: Rubber/Latex
Eye protection: Safety glasses
Respiratory protection: None normally required- only required if vapors or aerosols are generated.
Other precautions: Avoid contact and inhalation, do not get in eyes, on skin or clothing. Do not pipet by mouth. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.
Appearance and odor: Off-white
Odor threshold: No strong odor known
Vapor pressure: Not Available
Vapor density: Not Available
Specific gravity: Not Available
Evaporation rate: Not Available
Melting point: Not Available
Boiling point: Not Available
Solubility in water: Not Applicable
pH: Reagent = 11.50
Coefficient of oil/water distribution: Not Available

10. STABILITY AND REACTIVITY

Stable: Yes
Hazardous polymerization: **Exothermic reaction** with acrolein, nitriles, chlorosulfonic acid, hydrogen chloride gas, acetic acid, acetic anhydride, fuming sulfuric acid, nitric acid, sulfuric acid, mineral acids, vinyl acetate, oxidizing agents.
Risk of ignition: sulfur, iron III compounds, metals, light metals.
Violent reactions possible with nitriles, ammonium compounds, cyanides, magnesium, organic nitro compounds, organic combustible substances, phenols, powdered alkaline earth metals, acids. **Caution!** In contact with nitrites, nitrates, nitrous acid possible liberation of nitrosamines.
Incompatibility with other substances: Aluminum, various plastics, brass, metals, metal alloys, zinc, tin, light metals, glass, quartzes/silicate ceramics, animal/vegetable tissues, rubber, copper, copper alloys.
Hazardous decomposition products: Not Available

11. TOXICOLOGICAL INFORMATION

ROUTE OF ENTRY/EXPOSURE

SKIN CONTACT: [x] EYE CONTACT: [x] INHALATION: [x] INGESTION: [x] SKIN ABSORPTION [x]

Effects of acute exposure:

SKIN CONTACT: Will cause irritation, Necrosis and burns.

EYE CONTACT: Will cause irritation. Necrosis causes serious eye damage. Risk of blindness!

INGESTION: Will be harmful if ingested. Severe burns of the mouth and throat, as well as danger of perforation of the esophagus and stomach.

INHALATION: Will cause irritation to mucous membranes and upper respiratory tract. Cough, shortness of breath, possible damage of respiratory tract.

Effects of chronic exposure: No data available.

SENSITIZATION TO PRODUCT: Not Available

SYNERGISTIC PRODUCTS: Not Available

LD50: MOPSO: Estimate > 2,000 mg/kg

12. ECOLOGICAL INFORMATION

Water Hazard Class: Data not yet available

13. DISPOSAL CONSIDERATIONS

Waste disposal: Dispose of waste to an approved waste disposal facility.

14. TRANSPORT INFORMATION

UN Number	UN 1719
Proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S. (CONT. ETHANOLAMINE, SODIUM HYDROXIDE)
Class	8
Packaging group	III
Environmentally Hazardous	---

15. REGULATORY INFORMATION

United States of America

OSHA Hazards: Target Organ effects
Harmful if swallowed
Harmful by skin absorption
Corrosive to skin
Corrosive to eyes
Corrosive by inhalation

SARA 311/312 Hazards: Acute Health Hazard
Chronic Health Hazard

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, section 302.

Clean Water Act: The following Hazardous Substances/Chemicals are listed under the U.S. Clean Water Act, Section 311, Table 116.4A/Table 117.3: Sodium Hydroxide

DEA List I: Not listed

DEA List II: Not listed

16. OTHER INFORMATION

The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our products is responsible for observing any laws and guidelines applicable.

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