Section 1. Chemical Product and Company Identification

Product Number: 4100 Series
Product Name: KOLORSAFE® Liquid Acid Neutralizer

Manufacturer: NPS Corporation
3303 Spirit Way
Green Bay, WI  54304

Emergency Telephone Numbers:
CHEMTREC--Domestic  (800)424-9300   24 hours
--International (202)483-7616  24 hours
Information   (800) 558-5066  7:30am-4:30pm CDT  M-F

Section 2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>CAS Registry #</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-71-6</td>
<td>Triethanolamine</td>
</tr>
<tr>
<td>72-48-0</td>
<td>Alizarin</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>Water</td>
</tr>
</tbody>
</table>

(NOTE: See Section 8 of this MSDS for Exposure Guidelines)

Section 3. Hazards Identification

**Emergency Overview**
Purple liquid with an ammonia-like odor. This product presents no unusual fire hazard.

**Potential Health Effects**

Eye: May cause slight to severe irritation.

Skin: May cause slight to severe irritation. Repeated skin contact may aggravate an existing dermatitis (skin condition) and/or sensitivity of the skin.

Inhalation: Exposure to vapors or mists in excess of the TLV (see Section 8) or in unusually high concentrations generated from spraying, heating the material, or from exposure in poorly ventilated areas or confined spaces may cause irritation of the nose, throat, and upper respiratory system.

**Signs and Symptoms:**
- Eyes: Redness, Tearing
- Skin: Redness, Swelling
- Inhalation: Discomfort of the nose and throat, headache, nausea, and drowsiness

Section 4. First Aid Measures

**Eyes:** Immediately flush with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

**Skin:** Remove contaminated clothing. Wash affected area with plenty of soap and water for several minutes. If skin irritation develops or persists, seek medical attention.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

**Ingestion:** If swallowed, call a physician or poison control center immediately.
Flash Point: Not Tested
Flammable Limits: Not Tested
Auto-ignition Temperature: Not Tested
NOTE: This material is non-flammable as supplied.
Extinguishing Media: Water spray, ABC dry chemical, foam, or carbon dioxide. Use water fog or spray to cool exposed equipment and containers. Water or foam may cause frothing.
Special Fire Fighting Procedures: For large fires or fires in confined areas, full emergency equipment with self-contained breathing apparatus and full protective clothing should be used. Thermal decomposition of this product may produce hazardous or irritating byproducts. See Section 10.

Section 6. Accidental Release Measures
Avoid breathing vapors. Avoid contact with skin, eyes, or clothing. Contain the spill and collect the material using chemically resistant sorbent products. If this product is mixed with other materials, see Section 13.

Section 7. Handling and Storage
Avoid high heat and/or freezing conditions. Keep container tightly closed. Suitable for general chemical storage under normal warehouse conditions.
NOTE: If this product is stored at temperatures >150 °F or at elevations above 5000 feet, gas may form, increasing the pressure within the container, causing the container to bulge. If bulging occurs, remove the container from the work area and slowly open the container to release the gas. Be sure to wear proper personal protective equipment.

Section 8. Exposure Controls/Personal Protection
Exposure Limits: Triethanolamine
ACGIH TLV is 5 mg/M³.
OSHA PEL: Not Established

The end-user must determine the specific types of personal protective equipment needed according to 29 CFR 1910.132—Personal Protective Equipment (PPE) for General Industry. The following are only suggestions:
- Eyes: Safety glasses, goggles, or face shield
- Skin: Suitable chemically resistant gloves and protective clothing
- Inhalation: Air purifying respirator with appropriate chemical cartridge or canister

Adequate ventilation should be provided to meet the ACGIH exposure limits.

Section 9. Physical and Chemical Properties
Appearance: Purple liquid
Odor: Ammonia-like odor
Boiling Point: 218 °F
Vapor Pressure (mmHg): Not Tested
Vapor Density: Not Tested
Solubility in Water: Soluble
Specific Gravity (H₂O=1): 1.09
Freezing Point: -4 °F
pH: 10.2
Evaporation Rate (Butyl Acetate=1): Not Tested
% Vaporizable by volume (H₂O=100): 100
Stable: Yes
Conditions to Avoid: See Section 7
Incompatibility (Materials to Avoid): None known
Hazardous Decomposition or Byproducts: In a limited air supply, thermal decomposition produces carbon monoxide, carbon dioxide, ammonia, irritating aldehydes and ketones.

Section 11. Toxicological Information
This product is not listed by NTP or IARC. See Section 15.

Section 12. Ecological Information
No data available. See Section 15.

Section 13. Disposal Considerations
This product in itself is considered to be non-hazardous as defined by RCRA (40 CFR 261). Once used, this product may take on the characteristics of the chemical(s) it was used with and should be disposed of accordingly. Disposal of this product (used or unused) must be in compliance with all local, state, and federal regulations.

Section 14. Transport Information
Not regulated by DOT

Section 15. Regulatory Information
TSCA Inventory Status: All components are listed on the TSCA list.
SARA Title III
Section 302 Extreme Hazardous Substance List: Not listed
Section 311/312 Hazard Classification:
Immediate (acute): Yes
Delayed (chronic): No
Fire: No
Sudden Release of Pressure: No
Reactive: No
Section 313 Toxic Chemicals: Not listed
USEPA CERCLA—Reportable Quantity (RQ): Not listed
RCRA Hazardous Waste: Not listed
State/Int’l Right-to-Know Regulations: Canada’s WHMIS—Triethanolamine 1%
California Proposition 65: Not listed
International Regulations: All components are listed on the following lists:
- Canada Inventory Status: Canadian Domestic Substance (DSL)
- European Inventory of Existing Chemical Substances (EINECS)
- Japan Inventory Status: Japanese MITI Inventory
Abbreviations:
- CFR: Code of Federal Regulations
- OSHA: Occupational Safety and Health Administration
- MSDS: Material Safety Data Sheet
- PEL: Permissible Exposure Limit
- NA: Not Applicable
- ACGIH: American Conference of Governmental Industrial Hygienists
- TLV: Threshold Limit Value
- NTP: National Toxicology Program
- IARC: International Agency for Research on Cancer
- RCRA: Resource Conservation and Recovery Act
- TSCA: Toxic Substances Control Act
- SARA: Superfund Amendments and Reauthorization Act
- USEPA: United States Environmental Protection Agency
- CERCLA: Comprehensive Response, Compensation, and Liability Act
- DOT: Department of Transportation
- WHMIS: Workplace Hazardous Materials Information System
- n.o.s.: Not Otherwise Specified
- NFPA: National Fire Protection Association
- HMIS: Hazardous Material Information System

NFPA Ratings:  
- Health: 1  
- Fire: 1  
- Reactivity: 0  
- Special Hazard: None

HMIS Ratings:  
- Health: 1  
- Flam mability: 1  
- Reactivity: 0  
- Personal Protection: X

NOTE: This MSDS has been prepared only for the KOLORESAFE® Liquid Acid Neutralizer (4100 Series) of SPILFYTER® Products. The MSDS’s of the chemicals used with this product must be reviewed completely, and precautions taken as described.

The information accumulated herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge. However, NPS Corporation cannot give guarantees regarding the information from sources, and expressly does not make any warranties, nor assumes any liability for its uses of this product.

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You have been provided data, product labels, MSDS’s, and other information about SPILFYTER® Products.

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Those products are only to be used by people having expertise in using the hazardous products.
The information provided about the hazardous products is believed to be correct. You must perform your investigation as to the safety, toxicity, suitability, and proper shipping method for any hazardous SPILFYTER® Product.

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You are also required by law to insure that all SPILFYTER® Products are properly shipped.

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