

MATERIAL SAFETY DATA SHEET

SPILFYTER® Products
KOLORSAFE® Liquid Acid Neutralizer

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Revision Date: 02/20/08
MSDS No. 1006

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

<u>CAS Registry #</u>	<u>Component</u>
102-71-6	Triethanolamine
72-48-0	Alizarin
7732-18-5	Water

(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.

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Section 5. Fire Fighting Measures

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

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Section 10. Stability and Reactivity

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.

Hazardous Polymerization: Will not occur

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
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Section 16. Other Information

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
Flammability: 1
Reactivity: 0
Personal Protection: X

NOTE: This MSDS has been prepared only for the KOLORSAFE® 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.

Disclaimer

You have purchased SPILFYTER® products from NPS Corporation
You have been provided data, product labels, MSDS's, and other information about SPILFYTER® Products.

Some SPILFYTER® Products are hazardous. Information about SPILFYTER® Products that are hazardous is furnished without guarantee. NPS Corporation does not guarantee the accuracy of the information about hazardous SPILFYTER® Products.

Those products are only to be used by people having expertise in using the hazardous products.

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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.

No guarantee, expressed or implied, is made by NPS Corporation about the results of use of its products. No guarantee is made as to the safety and toxicity of any SPILFYTER® Product.

NPS Corporation does not assume any liability arising out of use of SPILFYTER® Products. Additional information and research may be necessary before you use the SPILFYTER® Products. NPS Corporation is not responsible for damages, direct or indirect, resulting from the use of SPILFYTER® Products or from reliance on data in the MSDS or product label.

If you resell SPILFYTER® Products, you must, by law, furnish your customers a copy of MSDS's and handling instructions.

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

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