

MATERIAL SAFETY DATA SHEET

SPILFYTER® Products
KOLORSAFE® Dry Base Neutralizer

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Revision Date: 07/16/02
MSDS No. 1009

Section 1. Chemical Product and Company Identification

Product Number: 4500 Series
Product Name: KOLORSAFE® Dry Base 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>
77-92-9	Citric Acid, anhydrous
76-61-9	Thymol Blue

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

Section 3. Hazards Identification

Emergency Overview

Odorless, bluish-white crystalline powder. This product presents no unusual fire hazard.

Potential Health Effects

- Eye: May cause slight to severe irritation, possibly ulcerations.
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 excessive levels of airborne dust may irritate the nose, throat, and upper respiratory system.
Signs and Symptoms:
- Eyes: Redness, Tearing, Possible burns
 - Skin: Redness, Swelling, Possible burns
 - Inhalation: Discomfort of the nose and throat, Coughing, Shortness of breath

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. Brush off excess powder with a dry towel. 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.

Section 5. Fire Fighting Measures

Flash Point: NA

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Flammable Limits: Lower Explosive Limit (LEL): 8 gm/ft³

Upper Explosive Limit (UEL): 65 gm/ft³

Auto-ignition Temperature: 1850 °F

NOTE: This material is non-combustible as supplied.

Extinguishing Media: If the need exists, dry chemical, foam, or carbon dioxide can be used. Use water fog or spray to cool exposed equipment and containers.

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 carbon dioxide gas.

Section 6. Accidental Release Measures

Avoid breathing airborne dust. Avoid contact with skin and eyes. If unused material is spilled, collect by sweeping, shoveling or vacuuming and recycle the material for use. If this product is mixed with other materials, see Section 13.

NOTE: Do not flush material to public sewer systems or waterways.

Section 7. Handling and Storage

Store in a cool, dry, and well ventilated area. Keep container tightly closed. Avoid contact with materials listed in Section 10.

Section 8. Exposure Controls/Personal Protection

Exposure Limits: None specifically established for this product; treat as a nuisance dust as defined in 29 CFR 1910.1000.

OSHA PEL: Total Dust is 15 mg/M³.

Respirable Fraction is 5mg/M³.

ACGIH TLV: 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 limit the threat of inhalation.

Section 9. Physical and Chemical Properties

Appearance: Bluish-white crystalline powder

Odor: Odorless

Boiling Point: Not Tested

Vapor Pressure (mmHg): NA

Vapor Density: NA

Solubility in Water: Moderately Soluble (59.2% @ 68 °F)

Specific Gravity (H₂O=1): 1.67

Melting Point: 307 °F

pH: 2.2

Evaporation Rate (Butyl Acetate=1): NA

% Vaporizable by volume (H₂O=100): NA

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Section 10. Stability and Reactivity

Stable: Yes

Conditions to Avoid: None known

Incompatibility (Materials to Avoid): Strong oxidizers, metallic nitrates, cyanides, sulfides, and hypochlorites.

NOTES: This material reacts with acids, releasing large volumes of carbon dioxide gas and heat. Reaction of this material with certain food products and their residues containing reducing sugars can create carbon monoxide.

Hazardous Decomposition or Byproducts: Thermal decomposition may produce carbon dioxide gas.

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): No

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—Citric Acid 1%

Section 16. Other Information

Abbreviations:

CFR: Code of Federal Regulations

OSHA: Occupational Safety and Health Administration

MSDS: Material Safety Data Sheet

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Abbreviations (cont.):

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: 0
Reactivity: 0
Special Hazard: None

HMIS Ratings:

Health: 1
Flammability: 0
Reactivity: 0
Personal Protection: X

NOTE: This MSDS has been prepared only for the KOLORSAFE® Dry Base Neutralizer (4500 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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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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