

MATERIAL SAFETY DATA SHEET

SPILFYTER® Products
KOLOR-SAFE® KOLOR-LOCK™ for Hydrofluoric Acid

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Revision Date: 02/20/08
MSDS No. 1083

Section 1. Chemical Product and Company Identification

Product Number: 4720 Series

Product Name: KOLOR-SAFE® KOLOR-LOCK™ for Hydrofluoric Acid

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>
1305-62-0	Calcium Hydroxide (71%)
1309-42-8	Magnesium Hydroxide
25608-12-2	Potassium Polyacrylate
72-48-0	Alizarin

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

Section 3. Hazards Identification

Emergency Overview

Odorless, white powder. This product presents no unusual fire hazard. This material is highly caustic.

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 dust levels exceeding the PEL (see Section 8) 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

Eye: 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

Flammable Limits: NA

Auto-ignition Temperature: NA

NOTE: This material is non-combustible as supplied.

Extinguishing Media: If the need exists, dry chemical, foam, or carbon dioxide can be used.

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 calcium oxide, which is highly caustic.

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 is 5mg/M³.

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: White powder

Odor: Odorless

Boiling Point: NA

Vapor Pressure (mmHg): NA

Vapor Density: NA

Solubility in Water: Insoluble

Specific Gravity (H₂O=1): 2.50

Melting Point: NA

pH: 12.6

Evaporation Rate (Butyl Acetate=1): NA

% Vaporizable by volume (H₂O=100): NA

Section 10. Stability and Reactivity

Stable: Yes

Conditions to Avoid: None known

Incompatibility (Materials to Avoid): This material is corrosive to aluminum. It reacts vigorously with strong acids. Water promotes causticity.

Hazardous Decomposition or Byproducts: Thermal decomposition may produce calcium oxide.

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—Calcium Hydroxide 1%

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

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Abbreviations (cont.):

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 KOLOR-SAFE® KOLOR-LOCK™ for Hydrofluoric Acid (4720 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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