

MATERIAL SAFETY DATA SHEET

SPILFYTER® Products
Hazmat Sorbents

Page 1 of 5
Revision Date: 02/20/08
MSDS No. 1003

Section 1. Chemical Product and Company Identification

Product Number: S2 Series
Product Name: HAZMAT Sorbent Products

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>	
9003-07-0	Polypropylene Particulate or Fabric	98.7%
---NA---	Yellow Pigment	0.3%
---NA---	Surfactant	1.0%

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

Section 3. Hazards Identification

Emergency Overview

Odorless, white or colored fabric or particulate. This material presents little or no hazard if spilled and exhibits no unusual fire hazard.

Potential Health Effects

Eye: Direct contact may cause irritation.

Inhalation: Exposure to dust levels exceeding the PEL (see Section 8) may cause irritation of the upper respiratory system. Breathing dust may aggravate acute or chronic asthma or other chronic pulmonary diseases.

Signs and Symptoms:

- Eyes: Redness, Tearing
- Inhalation: Dry cough, labored breathing during exertion

Section 4. First Aid Measures

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

Skin: Brush off excess fibers with 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.

NOTE: If burned through contact with molten material, cool as quickly as possible with water and seek medical attention. Do not attempt to remove the cooled molten material.

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Section 5. Fire Fighting Measures

Flash Point: >625 °F

Flammable Limits: NA

Auto-ignition Temperature: >675 °F

NOTE: This material will burn, but it is difficult to ignite.

Extinguishing Media: Water spray, ABC dry chemical, foam, or carbon dioxide. 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 hazardous and irritating gases. See Section 10.

Section 6. Accidental Release Measures

Unused material can be shoveled, swept, or vacuumed and recycled for use. Avoid generating airborne dust.

If used material is released or spilled, see Section 13.

Section 7. Handling and Storage

Store at room temperature in a dry area. When handling, avoid the generation of airborne dust. Storage for extended periods (>30 days) at temperatures >150 °F may cause decomposition. This material produces an electrostatic accumulation hazard. Use proper grounding/bonding procedures.

Section 8. Exposure Controls/Personal Protection

Exposure Limits: None specifically developed for this product; treated 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 10 mg/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 or goggles
- Skin: Work gloves

Adequate ventilation should be provided to limit the amount of airborne dust.

Section 9. Physical and Chemical Properties

Appearance: White or colored fabric or particulate

Odor: Odorless

Boiling Point: NA

Vapor Pressure (mmHg): NA

Vapor Density: NA

Solubility in Water: Insoluble

Specific Gravity (H₂O=1): 0.90

Melting Point: >320 °F

pH: NA

Evaporation Rate (Butyl Acetate=1): NA

% Vaporizable by volume (H₂O=100): <0.4

Section 10. Stability and Reactivity

Stable: Yes

Conditions to Avoid: See Section 7

Incompatibility (Materials to Avoid): Avoid contact with hot or concentrated nitric and perchloric acids, and fuming sulfuric acid at temperatures >140 °F

Hazardous Decomposition or Byproducts: Thermal decomposition produces carbon monoxide, carbon dioxide, methane, acetone, and other 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 will take on the characteristics of the chemical sorbed 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

This product is not a DOT Hazardous Material and is not regulated for all shipping purposes.

Section 15. Regulatory Information

This product does not meet the definition of a hazardous chemical given in 29 CFR 1910.1200 (OSHA).

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: Not listed

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

Abbreviations (cont.):

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
NFPA: National Fire Protection Association
HMIS: Hazardous Material Information System

NFPA Ratings:

Health: 0
Fire: 1
Reactivity: 0
Special Hazard: None

HMIS Ratings:

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

NOTE: This MSDS has been prepared only for the Hazmat Sorbent Products (S2 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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MATERIAL SAFETY DATA SHEET

SPILFYTER® Products
KOLORSAFE® Dry Acid Neutralizer

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Revision Date: 02/20/08
MSDS No. 1008

Section 1. Chemical Product and Company Identification

Product Number: 4400 Series

Product Name: KOLORSAFE® Dry 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>
497-19-8	Sodium Carbonate
72-48-0	Alizarin

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

Section 3. Hazards Identification

Emergency Overview

Odorless, white granular solid. 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

Flammable Limits: NA

Auto-ignition Temperature: NA

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SPILFYTER® Products
KOLORSAFE® Dry Acid Neutralizer

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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 sodium oxide and carbon dioxide gases.

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 5 mg/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 granular solid

Odor: Odorless

Boiling Point: Not Tested

Vapor Pressure (mmHg): NA

Vapor Density: NA

Solubility in Water: Slightly Soluble(30% @ 68 °F)

Specific Gravity (H₂O=1): 2.53

Melting Point: 1564 °F

pH: 11.4

Evaporation Rate (Butyl Acetate=1): NA

% Vaporizable by volume (H₂O=100): NA

Section 10. Stability and Reactivity

Stable: Yes

Conditions to Avoid: None known

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Incompatibility (Materials to Avoid): Aluminum powder, fluorine, and lithium.

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 sodium oxide and carbon dioxide gases.

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—Sodium Carbonate 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

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: 2

Fire: 0

Reactivity: 0

Special Hazard: None

HMIS Ratings:

Health: 2

Flammability: 0

Reactivity: 0

Personal Protection: X

NOTE: This MSDS has been prepared only for the KOLORSAFE® Dry Acid Neutralizer (4400 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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SPILFYTER® Products
KOLORSAFE® Dry Base Neutralizer

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Revision Date: 02/20/08
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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KOLORSAFE® Dry Base Neutralizer

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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

MATERIAL SAFETY DATA SHEET

SPILFYTER® Products
KOLORSAFE® Dry Base Neutralizer

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MSDS No. 1009

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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SPILFYTER® Products
KOLORSAFE® Dry Base Neutralizer

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Revision Date: 02/20/08
MSDS No. 1009

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.

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MATERIAL SAFETY DATA SHEET

SPILFYTER® Products
KOLORSAFE® Dry Hydrofluoric Acid Neutralizer

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Revision Date: 02/20/08
MSDS No. 1011

Section 1. Chemical Product and Company Identification

Product Number: 4700 Series
Product Name: KOLORSAFE® Dry Hydrofluoric 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-

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Section 2. Composition/Information on Ingredients

<u>CAS Registry #</u>	<u>Component</u>
1305-62-0	Calcium Hydroxide
1309-42-8	Magnesium Hydroxide
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.

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KOLORSAFE® Dry Hydrofluoric Acid Neutralizer

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MSDS No. 1011

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: 13.0

Evaporation Rate (Butyl Acetate=1): NA

% Vaporizable by volume (H₂O=100): NA

MATERIAL SAFETY DATA SHEET

SPILFYTER® Products
KOLORSAFE® Dry Hydrofluoric Acid Neutralizer

Page 3 of 5
Revision Date: 02/20/08
MSDS No. 1011

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

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 KOLORSAFE® Dry Hydrofluoric Acid Neutralizer (4700 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

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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.

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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MATERIAL SAFETY DATA SHEET

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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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MATERIAL SAFETY DATA SHEET

SPILFYTER® Products
GAPSEAL™:Universal/Low Temperatures

Page 1 of 5
Revision Date: 02/20/08
MSDS No. 1026

Section 1. Chemical Product and Company Identification

Product Number: 790204

Product Name: GAPSEAL™:Universal/Low Temperature—Temporary Plugging Compound

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>
-- NA --	Proprietary Ingredient
-- NA --	Proprietary Hydrocarbon-based Compound

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

Section 3. Hazards Identification

Emergency Overview

Odorless, light tan to gray dry crystalline powder (blue to green moist solid). This material presents little or no hazard if spilled and exhibits no unusual fire hazard.

Potential Health Effects

Eye: May cause irritation.

Skin: May cause 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 cause irritation to the upper respiratory system.

Signs and Symptoms:

- Eyes: Redness, Tearing
- Skin: Redness
- Inhalation: Dry cough

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. 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.

MATERIAL SAFETY DATA SHEET

SPILFYTER® Products
GAPSEAL™:Universal/Low Temperature

Page 2 of 5
Revision Date: 02/20/08
MSDS No. 1026

Section 5. Fire Fighting Measures

Flash Point: Not Tested

Flammable Limits: Not Tested

Auto-ignition Temperature: Not Tested

Extinguishing Media: Use dry chemical, carbon dioxide, foam, or sand.

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.

Water spray may be useful in minimizing vapors and in cooling containers exposed to heat and flame. Move undamaged containers from the fire area if it can be done without risk.

Unusual Fire Fighting Procedures: Avoid all ignition sources. Residue can also be ignited.

Section 6. Accidental Release Measures

Avoid generating or breathing airborne dust and vapors. Avoid contact with eyes and skin. 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.

Section 7. Handling and Storage

Avoid all ignition sources. Store in a cool, dry, well-ventilated area at temperatures <120 °F. Keep container tightly closed.

Section 8. Exposure Controls/Personal Protection

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

OSHA PEL: Total Dust is 15 mg/M³.

Respirable Fraction is 5 mg/M³.

ACGIH TLV is 10 mg/M³.

Proprietary Hydrocarbon-based Component's ACGIH TLV is 100 ppm.

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 or goggles
- Skin: Suitable chemically resistant gloves and protective clothing
- Inhalation: Air purifying respirator with appropriate filter for nuisance dust.

Adequate ventilation should be provided to limit the threat of inhalation.

Section 9. Physical and Chemical Properties

Appearance: Light tan to gray dry crystalline powder (blue to green moist solid)

Odor: Odorless

Evaporation Rate (Butyl Acetate=1): Not Tested

Boiling Point: Not Tested

% Vaporizable by volume (H₂O=100): 100

Vapor Pressure (mmHg): Not Tested

Vapor Density: Not Tested

Solubility in Water: Insoluble

Specific Gravity (H₂O=1): 3.20

Melting Point: Not Tested

pH: 4

MATERIAL SAFETY DATA SHEET

Section 10. Stability and Reactivity

Stable: Yes

Conditions to Avoid: None known

Incompatibility (Materials to Avoid): Hydrofluoric acid, hydrazine, and strong oxidizers

Hazardous Decomposition or Byproducts: None known

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

This product is not a DOT Hazardous Material and is not regulated for all shipping purposes.

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: Not listed

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

MATERIAL SAFETY DATA SHEET

Abbreviations (cont.):

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
ppm: Parts per Million
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 GAPSEAL™:Universal/Low Temperatures (790204 Series) of SPILFYTER® Products. The MSDS's of the chemicals used with this product must be reviewed completely, and precautions taken as described.

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February, 20th 2008

Dear Valued Customer,

In response to your request for a Material Safety Data Sheet (MSDS) on either our SPILFYTER® Chemical (5700 Series) or Wastewater (5800 Series) Classifier Strips, the following information is provided.

The SPILFYTER® Chemical and Wastewater Classifier Strips are considered to be an “article” under 29 CFR 1910.1200—OSHA Hazard Communication. An “article” is defined as being a manufactured item: (1) which is formed to be a specific shape or design during manufacture; (2) which has end use functions dependent in whole or in part upon its shape or design during end use; and (3) which does not release, or otherwise result in exposure to, a hazardous chemical under normal (intended) conditions of use.

Thank you for this opportunity to be of service to you. If you have any further questions, please contact us at (800) 558-5066.

Sincerely,

NPS Corporation