

# MATERIAL SAFETY DATA SHEET

SPILFYTER® Products  
FORMALDEHYDE Solidifier

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Revision Date: 02/20/08  
MSDS No. 1085

## Section 1. Chemical Product and Company Identification

Product Number: 480001, 480005  
Product Name: FORMALDEHYDE Solidifier

**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>
57-13-6	Urea

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

## Section 3. Hazards Identification

### Emergency Overview

Ammonia odor, white crystalline solid. This material presents little or no hazard if spilled and exhibits no unusual fire hazard.

### Potential Health Effects

- Eye: May cause slight irritation.  
Skin: May cause slight irritation.  
Inhalation: Exposure to dust levels exceeding the PEL (see Section 8) may cause slight irritation to the upper and lower respiratory system.  
Signs and Symptoms:
- Eyes: Redness, Tearing
  - Skin: Redness
  - Inhalation: Shortness of breath, Labored breathing

## Section 4. First Aid Measures

- Eyes: Immediately flush with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.  
Skin: 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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## Section 5. Fire Fighting Measures

Flash Point: NA

Flammable Limits: NA

Auto-ignition Temperature: NA

**NOTE:** This material is non-combustible as supplied and does not support combustion.

Extinguishing Media: Any extinguishing media can be used for the packaging.

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 will produce carbon monoxide and carbon dioxide.

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## Section 6. Accidental Release Measures

Avoid breathing or generating 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.

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## Section 7. Handling and Storage

Store in a dry place.

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## 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/M<sup>3</sup>.

Respirable Fraction is 5 mg/M<sup>3</sup>.

ACGIH TLV is 10 mg/M<sup>3</sup>.

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: Splash goggles recommended.
- Skin: Nitrile gloves recommended.
- Inhalation: Air purifying respirator with appropriate chemical cartridge or canister

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

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## Section 9. Physical and Chemical Properties

Appearance: White crystalline solid

Odor: Ammonia odor

Boiling Point: NA

Vapor Pressure (mmHg): NA

Vapor Density: NA

Solubility in Water: Appreciable

Specific Gravity (H<sub>2</sub>O=1): 1.32

Melting Point: 135<sup>0</sup> F

pH: NA

Evaporation Rate (Butyl Acetate=1): NA

% Vaporizable by volume (H<sub>2</sub>O=100): 0

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## Section 10. Stability and Reactivity

Stable: Yes

Conditions to Avoid: None known

Incompatibility (Materials to Avoid): Strong Oxidizers

Hazardous Decomposition or Byproducts: Thermal decomposition produces carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur

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## Section 11. Toxicological Information

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

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## Section 12. Ecological Information

No data available. See section 15.

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## 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.

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## Section 14. Transport Information

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

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## 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: Not listed

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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  
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 FORMALDEHYDE Solidifier (480001, 480005) 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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