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MATERIAL SAFETY DATA SHEET

SPILFYTER® Products
Mercury Indicator Powder

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Revision Date: 05/25/01
MSDS No. 14

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MATERIAL SAFETY DATA SHEET

SPILFYTER® Products
Vapor Suppressor

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Section 1. Chemical Product and Company Identification

Product Number: 4600 Series
Product Name: Vapor Suppressor

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

CAS Registry #	Component
7440-44-0	Activated Carbon
7704-34-9	Sulfur

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

Section 3. Hazards Identification

***** Emergency Overview *****

- *Odorless, black, irregular, dry granular solid. Wet activated carbon removes *
- *oxygen from the air causing a severe hazard to workers inside carbon vessels *
- *and enclosed or confined spaces. Before entering such an area, sampling and *
- *work procedures for low oxygen levels should be taken to ensure ample *
- *oxygen availability, observing all local, state, and federal regulations. *

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 of the upper respiratory system.

Signs and Symptoms:

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

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.

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Section 5. Fire Fighting Measures

Flash Point: NA
Flammable Limits: NA
Auto-ignition Temperature: 500 °F
Extinguishing Media: Water spray, 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 monoxide gas.

Section 6. Accidental Release Measures

Avoid generating or breathing airborne dust. 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

Store in a cool, dry, and well ventilated area. Avoid conditions described 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 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: 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: Black, irregular, dry granular solid
Odor: Odorless
Boiling Point: NA
Vapor Pressure (mmHg): NA
Vapor Density: NA
Solubility in Water: Insoluble
Specific Gravity (H₂O=1): 1.9-2.2
Melting Point: NA
pH: NA
Evaporation Rate (Butyl Acetate=1): NA
% Vaporizable by volume (H₂O=100): NA

Section 10. Stability and Reactivity

Stable: Yes

Conditions to Avoid: Contact with strong oxidizers, such as ozone, liquid oxygen, chlorine, permanganate, and ketones may result in fire.

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Incompatibility (Materials to Avoid): Contact with ammonium or ammonia containing compounds will cause the generation of gases. Avoid contact with high concentrations of ketones in air or liquid.
Hazardous Decomposition or Byproducts: Thermal decomposition may produce carbon monoxide 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

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

Section 15. Regulatory Information

This product is considered to be non-hazardous by the Office of Hazardous Materials Management (49 CFR 172.101 and 173.124).

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

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Abbreviations (cont.):

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: 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 Mercury Vapor Suppressor (4610 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.

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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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