Section 1. Chemical Product and Company Identification

Product Number: 5230 Series
Product Name: Mercury Indicator Powder

Manufacturer: NPS Corporation
2303 Spirit Way
Green Bay, WI 54304

Emergency Telephone Numbers:
CHEMTREC - Domestic (800)424-9300 24 hours
Information (800) 558-5066 7:30am-4:30pm CDT

Section 2. Composition/Information on Ingredients

CAS Registry # Component
7784-34-9 Sulfur
112926-90-8 Silicon Dioxide
NA Proprietary ingredient

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

Section 3. Hazards Identification

Emergency Overview

odorless, yellowish-tan to gray powder. Dust may form a flammable or explosive mixture in air. When heated to decomposition, toxic fumes of sulfur oxides are produced.

Potential Health Effects

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

Signs and Symptoms:
- Eyes: Redness, Tearing
- Skin: Redness
- Inhalation: Discomfort of the nose and throat, 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.
Ingestion: If swallowed, call a physician or poison control center immediately.

Section 5. Fire Fighting Measures

Flash Point: 370 °F
Flammable Limits: Not Tested
Auto-ignition Temperature: NA
Extinguishing Media: Use water spray, alcohol foam, dry chemical, or carbon dioxide.

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. When heated to decomposition toxic fumes of sulfur oxides are formed. Dust may form a flammable or explosive mixture in air.

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.

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. Keep away from flammable materials and sources of heat or flame.

Section 8. Exposure Controls/Personal Protection

Exposure limits: Silicon Dioxide:
- OSHA PEL is 20 mgcf.
- ACGIH TLV is 10 mg/M³.
Proprietary Ingredient:
- OSHA PEL is 1.0 mg/M³.
- ACGIH TLV is 1.0 mg/M³.
Sulfur:
- OSHA PEL: Not Established
- 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 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: Yellowish-tan to gray powder
Odor: Odorless
% Vaporizable by volume (H₂O=100): NA
Boiling Point: 833 °F
Vapor Pressure (mmHg): Not Tested
Vapor Density: 8.8
Solubility in Water: Negligible (<0.1%)
Specific Gravity (H₂O=1):
2.00
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Section 10. Stability and Reactivity
Stable: Yes
Conditions to Avoid: Heating to decomposition.
Incompatibility (Materials to Avoid): Strong oxidizers, most common metals, hydrogen, chlorine, fluorine, and organic materials at elevated temperatures.
Hazardous Decomposition or Byproducts: Thermal decomposition produces toxic fumes of sulfur oxides.
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): Yes
Fire: No
Sudden Release of Pressure: No
Reactive: No
Section 313 Toxic Chemicals: Listed—Copper—1%
USEPA CERCLA—Reportable Quantity (RQ): Listed—Copper—5000 lbs
RCRA Hazardous Waste: Not listed
State/Int'l Right-to-Know Regulations: Canada's WHMIS—Copper 1%

Section 16. Other Information
Abbreviations:
- OSHA: Occupational Safety and Health Administration
- MSDS: Material Safety Data Sheet
- PEL: Permissible Exposure Limit
- NA: Not Applicable

MPCT: Millions of particles per cubic foot
ACGIH: American Conference of Governmental Industrial Hygienists
TLV: Threshold Limit Value
NTP: National Toxicology Program

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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
- WHMIS: Workplace Hazardous Materials Information System
- NFPA: National Fire Protection Association
- HMIS: Hazardous Material Information System

NFPA Ratings:
- Health: 2
- Flammability: 1
- Reactivity: 0
- Special Hazards: None
- Personal Protection: X

HMS Ratings:
- Health: 2

NOTE: This MSDS has been prepared only for the Mercury Indicator Powder (5230 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 contained 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.

The information provided about the hazardous products is believed to be correct. You must perform your investigation as to the safety, toxicity, suitabilty, and proper shipping method for any hazardous SPILFYTER® Product.
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Mercury Indicator Powder

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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MATERIAL SAFETY DATA SHEET

SPILFYTER® Products
Vapor Suppressor

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)433-7516 24 hours
Information (800) 558-5066 7:30am-4:30pm CDT M-F

Section 2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>CAS Registry#</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>7440-44-0</td>
<td>Activated Carbon</td>
</tr>
<tr>
<td>7704-34-9</td>
<td>Sulfur</td>
</tr>
</tbody>
</table>

(NO:TE: 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.