



## MATERIAL SAFETY DATA SHEET

MSDS NUMBER: #21      October, 2007

### 1) PRODUCT DESCRIPTION

|                             |                |                                 |                   |
|-----------------------------|----------------|---------------------------------|-------------------|
| Product Name:               |                | <b>SPHAG SORB®</b>              |                   |
| Chemical Synonyms:          |                | ENVIRONMENTAL ORGANIC ABSORBENT |                   |
| Chemical Family:            |                | Peat Moss                       |                   |
| Emergency Telephone Number: | IN CANADA:     | 1-866-468-5411                  | EDMONTON, ALBERTA |
|                             | INTERNATIONAL: | 1-780-468-5444                  | EDMONTON, ALBERTA |
|                             | IN U.S.:       | 1-866-468-5411                  |                   |

### 2) HAZARD RATING

|             |     |        |     |          |     |
|-------------|-----|--------|-----|----------|-----|
| Least       | (0) | Slight | (1) | Moderate | (2) |
|             |     | High   | (3) | Extreme  | (4) |
| Health:     |     | 0      |     |          |     |
| Fire:       |     | 1      |     |          |     |
| Reactivity: |     | 0      |     |          |     |

### 3) INGREDIENTS

| Composition | Exposure Limits               | %            |
|-------------|-------------------------------|--------------|
| PEAT        | NUISANCE PARTICULATE 10 mg/m3 | 85.5 – 87.5% |
| MOISTURE    | N/A                           | 12 – 14%     |
| MISC. INERT | N/A                           | 0.5%         |

### 4) HEALTH INFORMATION

|   |   |
|---|---|
| <b>CHRONIC AND ACUTE EFFECTS OF OVER EXPOSURE</b> |   |
| <b>Inhalation:</b>                                | MAY CAUSE SLIGHT IRRITATION WITH VERY HIGH CONCENTRATIONS |
| <b>Ingestion:</b>                                 | NO KNOWN HAZARD   |
| <b>Eyes:</b>                                      | DUST PARTICLES MAY CAUSE MINOR EYE IRRITATION             |
| <b>Skin:</b>                                      | NO KNOWN HAZARD   |
| <b>Applies to unused <i>SPHAG SORB</i></b>        |   |
| <b>Toxic Data:</b>                                | ESTABLISHED NON-TOXIC                                     |

### 5) PERSONAL PROTECTION INFORMATION

|                                |   |
|--------------------------------|---|
| <b>Ventilation:</b>            | ADEQUATE VENTILATION SHOULD BE AVAILABLE TO KEEP DUST CONCENTRATIONS BELOW EXPOSURE LIMITS.                       |
| <b>Respiratory Protection:</b> | A NIOSH APPROVED DUST RESPIRATOR SHOULD BE WORN WHEN DUST STANDARDS ARE EXCEEDED.                                 |
| <b>Eye Protection:</b>         | SAFETY GLASSES WITH SIDE SHIELD ARE RECOMMENDED   |
| <b>Skin Protection:</b>        | PROTECTIVE CLOTHING IS NOT NECESSARY FOR <i>SPHAG SORB</i> , BUT MAY BE REQUIRED TO HANDLE ABSORBED HYDROCARBONS. |
| <b>Other:</b>                  | WASHING FACILITIES SHOULD BE AVAILABLE.   |

### 6) EMERGENCY & FIRST AID PROCEDURES

|  |   |
|--|---|
| <b>Inhalation:</b>   | REMOVE TO FRESH AIR                               |
| <b>Ingestion:</b>  | DO NOT INDUCE VOMITING                            |
| <b>Eyes:</b>   | FLUSH EYES WITH RUNNING WATER TO REMOVE PARTICLES |
| <b>Skin:</b>   | WASH IRRITATED AREAS WITH MILD SOAP AND WATER     |
| <b>IF IRRITATION OR DISCOMFORT PERSISTS, CONSULT A PHYSICIAN</b> |   |
| <b>Note to physician:</b>  | SYMPTOMATIC TREATMENT                             |

### 7) PHYSICAL DATA

|                              |  |  |
|------------------------------|--|--|
| <b>Boiling Point:</b><br>N/A | <b>Melting Point:</b><br>N/A                               | <b>Vapor Pressure:</b><br>N/A              |
| <b>Vapor Density:</b><br>N/A | <b>Solubility in H<sub>2</sub>O:</b><br>NOT SOLUBLE, LOOSE | <b>Appearance, Odor:</b><br>BROWN, FIBROUS |
| <b>pH</b><br>6-8 s.u.        | <b>% Volatile by Weight</b><br>N/A                         | <b>Evaporation Rate:</b><br>N/A            |

### 8) FIRE & EXPLOSION HAZARDS

|  |  |
|--|--|
| <b>Flash Point &amp; Method Used:</b><br>N/A   | <b>Lower Flammable Limits in Air % by Volume:</b><br>N/A |
| <b>Auto Ignition Temperature:</b>  | 500°F 260°C  |
| <b>Extinguishing Method:</b>   | USE MEDIA NEEDED TO CONTROL SURROUNDING FIRE             |
| <b>Special Fire Fighting Procedures &amp; Precautions:</b><br>STANDARD FIRE PROTECTION EQUIPMENT                                       |  |
| <b>Unusual Fire &amp; Explosion Hazards:</b><br>DRY (UNSATURATED) <i>SPHAG SORB</i> MAY WICK PETROLEUM-BASED PRODUCTS TO AN OPEN FLAME |  |

### 9) REACTIVITY

|   |  |
|---|--|
| <b>Stability:</b><br>STABLE                                       | <b>Hazardous Polymerization:</b><br>NOT KNOWN TO OCCUR |
| <b>Conditions &amp; Materials to Avoid:</b><br>STRONG ACIDS/BASES |  |
| <b>Hazardous Decomposition Products:</b> <b>NONE KNOWN</b>        |  |

### 10) SPILL OR LEAK PROCEDURES

|   |
|---|
| <b>Emergency Action:</b><br>SWEEP UP AND CONTAINERIZE IF UNUSED   |
| <b>Waste Disposal:</b><br>OFF SPEC. OR UNUSED <i>SPHAG SORB</i> IS NOT HAZARDOUS. DISPOSE OF USED <i>SPHAG SORB</i> ACCORDING TO LOCAL REGULATIONS GOVERNING MATERIAL ABSORBED. |

### 11) STORAGE & TRANSPORTATION REQUIREMENTS

|  |
|--|
| <b>Emergency Action:</b><br>STORE IN DRY PLACE TO PREVENT UNWANTED HYDRATION |
| <b>Other Precautions:</b> NONE   |
| <b>Transportation Requirements:</b><br>NORMAL FREIGHT                        |

Due to the variety of liquids and chemicals involved in spills, the manufacturer cannot recommend disposal procedures or guarantee the performance of *SPHAG SORB* other than to replace such quantity of product proved to be defective. *SPHAG SORB* disclaims any liability for loss or damage incurred in connection with the use of this substance.

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