

Material Safety Data Sheet

According to 2001/58/EG

DENSORB Special Sorbent Products

1. Chemical Product and Company Identification

Product Name: **DENSORB Special Sorbent Products**
Supplier: **DENIOS AG**
Dehmer Str. 58-66
32549 Bad Oeynhausen
Germany
Tel. 0800-753000-2

2. Composition/Information on Ingredients

CAS Registry #	Component	
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)

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

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 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.

5. Fire Fighting Measures

Flash Point: >625 °F

Flammable Limits: NA

Auto-ignition Temperature: >675 °F

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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.

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.

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.

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.

9. Physical and Chemical Properties

Appearance: White or colored fabric or particulate

Odor: Odorless

Evaporation Rate (Butyl Acetate=1): NA

Boiling Point: NA

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

Vapor Pressure (mmHg): NA

Vapor Density: NA

Solubility in Water: Insoluble

Specific Gravity (H₂O=1): 0.90

Melting Point: >320 °F

pH: NA

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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

11. Toxicological Information

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

12. Ecological Information

No data available. See Section 15.

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.

14. Transport Information

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

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

16. Other Information

Abbreviations:

CFR: Code of Federal Regulations

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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
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 DENSORB Special Sorbent 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, DENIOS 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 DENSORB products from DENIOS.

You have been provided data, product labels, MSDS's, and other information about DENSORB products.

Some DENSORB products are hazardous. Information about DENSORB products that are hazardous is furnished without guarantee. DENIOS does not guarantee the accuracy of the information about hazardous DENSORB 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 DENSORB product.

No guarantee, expressed or implied, is made by DENIOS about the results of use of its products. No guarantee is made as to the safety and toxicity of any DENSORB product.

DENIOS does not assume any liability arising out of use of DENSORB products. Additional information and research may be necessary before you use the DENSORB products. DENIOS is not responsible for damages, direct or indirect, resulting from the use of DENSORB products or from reliance on data in the MSDS or product label.

If you resell DENSORB 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 DENSORB products are properly shipped.