

MATERIAL SAFETY DATA SHEET according to Appendix II of Regulation EC/1907/2006
DEUREX® PURE

1. IDENTIFICATION OF SUBSTANCE / COMPANY INFORMATION

Name: DEUREX® Pure

Use: Oil and chemical adsorbent

Company: DEUREX AG
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Emergency phone number:

Common poisons information centre (Gemeinsames Giftinformationszentrum) of the Federal States Mecklenburg-Western Pomerania, Saxony, Saxony-Anhalt and Thuringia
D-99089 Erfurt
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2. HAZARDS IDENTIFICATION

Hazard designation: none

Classification according to Regulation EC/1272/2008:

H-phrases: none

P-phrases: none

Further information: No hazardous preparation according to Directive 1999/45/EC.

Admission: Regarding the oil adsorbing and oil keeping properties, the product DEUREX® Pure meets the requirements for oil adsorbents, announcement of the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety dt. 12th March 1990 (GMBI – common ministerial gazette – p. 335) and 23rd April 1998 for type I, II, SF and for the LTWS – storage and transport of water-hazardous substances – no. 27 (June 1999).
DEKRA test report no.: 55079997/08.

3. COMPOSITION / COMPONENT DATA

Chemical identity: Polyethylene wax

Chemical characterisation:

CAS-No.: The raw materials which are relevant for this product have CAS-numbers.

EINECS-No.: The raw materials which are relevant for this product are registered in the EINECS.

Hazardous components:

EINECS-No.	Name	Labelling	Content-%
CAS-No.	R-phrases		
-	none	-	-
-	none		

4. FIRST AID MEASURES

Symptoms and reactions: No typical symptoms and reactions known. In case of continuous discomfort consult a doctor.

General: No hazardous preparation according to Directive 1999/45/EC and Ordinance on hazardous substances (Gefahrstoffverordnung – GefStoffV.).

First aid:

Inhaling: Not applicable. Product is dust-free. Irritations of respiratory system are only possible when inhaling fumes, vapours and gases emerging at higher temperatures.

Skin: General industrial hygiene is sufficient. In case of frequent and longer contact clean skin parts with plenty of water and soap and rinse thoroughly. In case of fire apply first aid according to degree of burn. Cool down affected body parts with cool water. Do not remove cooled down and solidified product from skin. Only remove clothing if it is not sticking to the skin. Cover affected parts with sterile Metalline-cloth and provide for medical care.

Eyes: Not applicable.

Swallowing: In case of accidental swallowing of the fibres consult a doctor if discomforts persist.

Further information: No further information available.

5. FIRE FIGHTING MEASURES

Extinguishing agents:

Foam, dry extinguisher, carbonic acid, water spray

Unsuitable extinguishing agents:

Water jet

Particular hazards caused by the substance itself, its products of combustion or resulting gases:

Inflammable, in heat melting product. Danger of broadening of fire through dripping, inflammable product. Do not inhale fumes of fire → item 10.

Special protective equipment:

Use independent overpressure compressed air breathing apparatus and wear fire fighters protective clothing.



Further information: Let melted product cool down. Do not let fire water get into sewage system. Fire residues and contaminated fire water need to be disposed according to local waste disposal regulations. Extinguishing methods according to kind of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal related precautions:

For personal protection → item 8.

Environmental protection measures:

Pick up product mechanically for recycling or disposal. For disposal consult experts and consider waste disposal regulations

Cleaning procedures: Pick up mechanically.

Waste / contaminated product:

Disposal → item 13.

7. HANDLING AND STORAGE

Handling: Observe general precautionary measures when handling chemicals.

Storage: Transport and storage in closed packaging. Store horizontally. Avoid direct sun and heat.

Storage temperature: < 50 °C

Relative air humidity: < 80 %

Storage class: 11 – inflammable solid matters

Fire and explosion protection:

Keep away from open flames. Avoid electrostatic charge.



Fire class: B - Fires of liquid or liquefying substances.

Particular applications: According to the present state of technology, no specific technical protection measures are necessary.

8. LIMITATION AND CONTROL OF THE EXPOSITION / PERSONAL PROTECTIVE EQUIPMENT

Exposition limits:

Components with workplace related limits, which are to be monitored:

EINECS-No.	Name	Kind	Value	Unit
none	none	-	no information	-

No hazardous preparation according to Directive 1999/45/EC.

Limitation and control of the exposition:

In state of delivery, no exposition limits are necessary.

Personal protective equipment:

General: Observe general precautionary measures when handling chemicals. Do not eat, drink and smoke during work. Wear suitable protective clothing. Keep away from aliment and beverages.

Breathing: In state of delivery, no protective measures are necessary.

Hands: In state of delivery, no protective measures are necessary.

Eyes: In state of delivery, no protective measures are necessary.

Body: In state of delivery, no protective measures are necessary.

Limitation and control of the environmental exposition:

Information on environmental exposition → items 6, 7 and 12.

9. PHYSICAL AND CHEMICAL PROPERTIES

General:

Colour: White
State of aggregation: Solid
Consistency: Cotton like
Smell: Odourless

Important facts pertaining to health- and environmental protection as well as to safety:

Melting point:	100 - 130 °C
Flash point:	Not applicable
Ignitability:	Ca. 230 °C
Self ignitability:	No
Oxidising properties:	None
Density:	< 1,00 g/cm ³
Water- and fat solubility:	Insoluble

10. STABILITY AND REACTIVITY

Stability: The product is stable under normal conditions and recommended handling- and storage conditions → item 7.

Conditions to avoid: Thermal degradation possible at temperatures above 200 °C. Otherwise, no dangerous reactions known.

Hazardous decomposition products:

Carbon monoxide, carbon dioxide and low-molecular decomposition products may be generated during burning.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: LD₅₀ rat > 5000 mg/kg

Irritations:

Skin: none
Eyes: none

Sensitising effects: none

Sub-acute till chronic toxicity:
none

Assessment of CMR-properties:

The components of this preparation do not fulfil the criteria for the CMR-categories 1 or 2.

Further information: No risk to health when handling product according to recommendations and regulations and to industrial hygiene.

12. ECOLOGICAL INFORMATION

Eco toxicity: Non hazardous to waters.

Behaviour in purification plants:

Together with the sludge the product will be segregated from the sewage water as fibres.

**Persistency,
Degradability:** Non hazardous to the environment.

**Bioaccumulation
potential:** unknown

Other harmful reactions:

According to its formulation, the product does not contain:

- heavy metals
- VOC components
- prohibited compounds which are listed in the Order Prohibiting Certain Chemicals dt. 13.06.2006

Determination of PBT properties:

The components of this preparation do not fulfil the criteria to be classified as PBT or vPvB.

Further information:

Regarding the oil binding- and oil keeping properties, the product DEUREX® Pure meets the requirements for oil binders – DEKRA-test report-No.: 55079997/08.

→ item 2

13. DISPOSAL CONSIDERATIONS

Waste key / Waste name: According to European waste disposal regulations (decision 2000/532/EC), the classification of the waste number has to be specified by industry and process and conducted in cooperation of the waste producer and the local waste disposal authorities by considering the local and national waste disposal regulations and laws. Final disposal of this adsorbent- and binding agent by considering the adsorbed materials and substances and the degree of saturation. Combustion of this adsorbent- and binding material is possible under consideration of the adsorbed materials and substances. The calorific value of DEUREX® Pure is between 40 and 45 MJ/kg.

14. TRANSPORT INFORMATION

The transport should only take place in accordance with ADR for road-, RID for rail-, IMDG for sea- and ICAO/IATA for air transport.

Road- / Rail transport (ADR/RID/GGVSE):

No hazardous good

Sea transport (ADNR/GGVBInSch / IMDG/GGVSea):

No hazardous good

Air transport (ICAO-TI / IATA-DGR):

No hazardous good

15. REGULATORY INFORMATION

Marking:

According to Regulation EC/1272/2008:- None

National regulations:

Consideration of the corresponding arrangements, regulations and laws of the respective country.

Classification according to GefStoffV.: no
Statutory order on hazardous incidents: not classified
Water hazard class: non hazardous to waters
Information on work constraints: none

International listing:

The products, respectively its components, are listed in the following inventories:

EINECS (Europe)	TSCA (USA)	DSL (Canada)	AICS (Australia)
METI (Japan)	ECL (South-Korea)	IECSC (China)	PICCS (Philippines)
ERMA (New-Zealand)			

16. OTHER INFORMATION

Listing of all H- and P-phrases according to Regulation EC/1272/2008 dt. 16.12.2008:

H-phrases: ---

P-phrases: ---

Restrictions: This data is limited on the product as described above. When processing with other products or in special processes this data does not need to be valid.

Further information: This data is based on our present knowledge, it is correct and complete. However, it shall not constitute a guarantee for any specific product features. The customer is responsible to proof the data to be suitable for his own purposes.

Sources: In-house information
EU Directives and Regulations
TRGS 220