MATERIAL SAFETY DATA SHEET according to Regulation 1907/2006/EC, Article 31
DEUREX® EO 4508 W

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

1.1. Product identifier
Trade names: DEUREX® EO 4508 W

1.2. Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses
Additive

1.3. Details of the supplier of the safety data sheet
DEUREX AG
Dr.-Bergius-Str. 8 – 12
D-06729 Elsteraue
Tel.: +49(0)3441 / 8 29 29 29, Fax: +49(0)3441 / 8 29 29 28
Material-Safety@Deurex.com
www.Deurex.com

1.4. Emergency telephone number
Common poisons information centre of the Federal States
Mecklenburg-Western Pomerania, Saxony, Saxony-Anhalt and Thuringia.
D-99089 Erfurt
Tel.: +49(0)361-730730

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) 1272/2008 [CLP]:
H-Phrases: None.
P-Phrases: None.

2.2. Label elements
Labelling according to Regulation (EC) 1272/2008 [CLP/GHS]:
Not a hazardous substance or mixture.

2.3. Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable. vPvB: Not applicable.
SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances
Chemical identity and characterisation:
Substance name: Water-based wax dispersion

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
General information: General information: Instantly remove any clothing soiled by the product.
Following inhalation: Keep patient calm, supply fresh air, consult doctor in case of symptoms.
Following skin contact: Wash thoroughly with soap and water.
Following eye contact: Rinse opened eye for at least 15 minutes under running water.
Following ingestion: Rinse mouth and then drink plenty of water.

4.2. Most important symptoms and effects, both acute and delayed
No typical symptoms and effects known. If symptoms persist, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed
Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Suitable extinguishing media:
Alcohol resistant foam, dry powder, carbon dioxide, water spray. Extinguishing media that suit the surrounding fire.

Unsuitable extinguishing media:
Water jet.

5.2. Special hazards arising from the substance or mixture
Evolution of fumes/smog. The substances/groups of substances mentioned can be released in case of fire.

5.3. Advice for firefighters
Wear a self-contained breathing apparatus.
Further information: Product contains water and is non-combustible. Dispose of fire debris and contaminated firefighting water according to official regulations.
SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
High risk of slipping due to leakage/spillage of product.
Use personal protective clothing.

6.2. Environmental precautions
Contain contaminated water/firefighting water. Do not allow product to reach sewage system or ground water.

6.3. Methods and material for containment and cleaning up
For large amounts: Pump off product. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
No special measures required.
Information about fire- and explosion protection: No special requirements.

7.2. Conditions for safe storage, including any incompatibilities
Requirements to be met by storerooms and receptacles: Keep containers tightly closed in a cool place.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Protect from frost.

7.3. Specific end use(s)
No further relevant information available.

According to the formulation, the products do not contain:
- Heavy metals
- VOC
- Compounds listed in the Chemicals Prohibition Ordinance
- Substances according to Directive 2002/95/EC – Appendix II
- Substances according to Regulation (EC) 1907/2006 – Appendix XIV (SVHC list)
8.1. Control parameters
Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have
to be monitored at the workplace.
Additional information: The lists valid during the making were used as basis.

8.2. Exposure controls
Personal protective equipment:
General protective and hygienic measures: The usual precautionary measures are to be ad-
hered to when handling chemicals.
Eye / Face protection: Safety glasses with side-shield (frame googles) (e.g. EN 166).
Skin / Body protection: Protective work clothing
Protection of hands: Chemical resistant protective gloves (EN 374).
Material of gloves: Suitable materials also with prolonged, direct contact (Recommended: Pro-
tective index 6, corresponding > 480 minutes of permeation time according to EN 374): Nitrile
rubber (0,4 mm), chloroprene rubber (0,5 mm), polyvinylchloride (0,7 mm) and other.
The selection of the suitable gloves does not only depend on the material, but also on further
marks of quality and varies from manufacturer to manufacturer. As the product is a prepara-
tion of several substances, the resistance of the glove material can not be calculated in ad-
vance and has therefore to be checked prior to the application.
Penetration time of glove material: The exact break through time has to be found out by the
manufacturer of the protective gloves and has to be observed.
Breathing protection: Particle filter with medium efficiency for solid and liquid particles (e.g. EN
143 or 149, Type P2 or FFP2).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
General information
Appearance:
Form: liquid
Colour: white to yellowish
Odour: specific type
Odour threshold: not determined
pH-value at 20 °C: 9,0 + 2
Change in condition
Melting point/melting range: not determined
Boiling point/boiling range: > 100 °C
Flash point: not applicable
Flammability (solid, gaseous): not applicable
Ignition temperature: not determined
Decomposition temperature: not determined
Self-ignition: Product is not self-igniting.
Danger of explosion: Product is not explosive.
Explosion limits:
Lower: not determined
Upper: not determined
9.2 Other information
No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
Unknown.

10.2. Chemical stability
Thermal decomposition/conditions to be avoided: No decomposition if used and stored according to specifications.

10.3. Possibility of hazardous reactions
No dangerous reactions known.

10.4. Conditions to avoid
No further relevant information available.

10.5. Incompatible materials
Strong bases, strong acids, strong oxidizing agents, reactive chemicals.

10.6. Hazardous decomposition products
No dangerous decomposition products known.
SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:
Experimental/calculated LD/LC50-values: Oral/Dermal LD50 > 2000 mg/kg (rat)
Irritating effects: No significant effects or critical hazards known.
Eye irritation: No significant effects or critical hazards known.
Sensitisation: No significant effects or critical hazards known.
Germ cell mutagenicity: No significant effects or critical hazards known.
Carcinogenicity: No significant effects or critical hazards known.
Reproductive toxicity: No significant effects or critical hazards known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity:
Toxicity to fish: LC50 (96 h) > 100 mg/l, Leuciscus idus
Microorganisms/Effect on activated sludge: > 1,000 mg/l (DEV-L2)
Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

12.2. Persistence and degradability

The product is biodegradable.
Elimination information: > 95 % COD reduction (OECD 302B; ISO 9888; 88/302/EEC, part C)
Easily eliminated from water.

12.3. Bio-accumulative potential

No significant effects or critical hazards known.

12.4. Mobility in soil

No significant effects or critical hazards known.
Additional ecological information:
General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5. Results of PBT and vPvB assessment

The substances do not meet the criteria for a classification as PBT or vPvB.

12.6. Other adverse effects

No further relevant information available.
SECTION 13: DISPOSAL CONSIDERATION

13.1. Waste treatment methods
Recommendation: Must be disposed of or incinerated in accordance with local regulations.
Uncleaned packaging:
Uncontaminated packaging can be re-used. Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

Transport only in accordance with ADR for road haulage, RID for rail transportation, ADNR/IMDG for carriage by vessel/sea and IATA for carriage by air.

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<th>Road traffic - ADR</th>
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<tr>
<td>Rail traffic - RID</td>
<td>Maritime traffic - IMDG</td>
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14.1. UN number
No hazardous materials

14.2. UN proper shipping name
No hazardous materials

14.3. Transport hazard class(es)
No hazardous materials

14.4. Packing group
No hazardous materials

14.5. Environmental hazards
No hazardous materials

14.6. Special precautions for user
Not applicable

14.7. Transport in bulk according to Annex II of MARPOL73/8 and the IBC Code
Not applicable
Transport/Additional information: Not dangerous according to the above specifications.
SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture
National regulations:
Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
SVHC-substances according REACH, Art. 57: void.

15.2. Chemical safety assessment
Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

Further information:
This information is based on our current knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.