MATERIAL SAFETY DATA SHEET according to 1907/2006/EC, Article 31
DEUREX® B 66

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

1.1. Product identifier
Trade names: DEUREX® B 66 A

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 Directive 67/548/EEC or Directive 1999/45/EC Not applicable.
Information concerning particular hazards for human and environment:
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2. Label elements

Labelling according to Regulation (EC) 1272/2008 [CLP/GHS]:
None.

2.3. Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Composites
Chemical identity and characterisation:
CAS: 119-53-9 Benzoin
EINECS: 204-331-3
SVHC: None.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
General informations: No special measures required.

Following inhalation: Supply fresh air; consult doctor in case of complaints.
Following skin contact: Immediately wash with water and soap and rinse thoroughly.
Following eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Following ingestion: Rinse the mouth with water. Remove affected person to fresh air. Keep person warm and calm. If material has been swallowed and the affected person is conscious, give small amounts of water to drink. If you experience nausea do not let the person drink more since vomiting can be dangerous. Do not induce vomiting unless directed by medical personnel. If symptoms persist, seek medical attention. Never infuse an unconscious person anything through the mouth. In case of unconsciousness, place in recovery position and seek immediate medical attention.

4.2. Most important symptoms and effects, both acute and delayed
No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Suitable extinguishing media:
CO_2, powder or water spray. Fight larger fire with alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Carbon monoxide (CO)

5.3. Advice for firefighters
Protective equipment:
Do not inhale explosion gases or combustion gases.

Additional information:
Dispose of fire debris and contaminated firefighting water in accordance with official regulations. Do not empty fire water into drains.
Fire residues and contaminated fire water must be disposed according to local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Avoid dust formation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Particular danger of slipping on leaked/spilled product.

6.2. Environmental precautions
Contain product mechanically for recovery or disposal. Solidify hot liquid product and collect it in clean containers for recycling or disposal. Do not empty into drains or surface water.

6.3. Methods and material for containment and cleaning up
Pick up mechanically.
Dispose of the material collected according to regulations.

6.4 Reference to other sections
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Usual precautions when handling chemicals ➔ Chapter 8.
Keep away from ignition sources and take precautionary measures against electrostatic charges. Prevent dust formation and raise of dust. In the presence of deposited combustible dust, risk of explosion is expected. When processing explosive dust may be accumulated, which can result in an explosive atmosphere. Good ventilation of the workplace, appropriate extraction and ventilation is required at the processing machines. Waxes are lubricants, danger of slipping!

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:
Dry and at room temperature (10 – 25 °C).
Avoid direct sunlight and heat, moisture, water and other harmful influences ➔ Chapter 10.
Do not store together with food and feeding stuff.
Store away from oxidizing agents.

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: EXPORSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:
WEL () Long-term value: 10* 3** mg/m³
*inhalable dust **respirable dust

Additional information: The lists valid during

8.2. Exposure controls

Exposure limitation and controlling are workplace related and must be regulated by the user.

8.2.1. Appropriate technical safety devices

Ensure good ventilation - local exhaust. If this is not sufficient, wear respiratory protection.

8.2.2. Personal protective equipment

General protective and hygiene measures:
Usual precautions for handling chemicals. Do not eat, drink or smoke during work, and wear suitable protective clothing. Do not breathe dust. Wash hands before breaks. Remove contaminated clothing. After contact, clean skin with water and soap or use suitable cleanser. Do not use organic solvents.

Eye / Face protection:
Wear safety glasses.

Skin / Body protection:
Wear protective gloves made of nitrile rubber.
Only use chemical-protective gloves with CE-labelling of category III.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves:
Nitrile rubber, NBR
Recommended thickness of the material: ³ 0.4 mm
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 preparation of several substances, the resistance of the glove material cannot be calculated in advance 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.

Wear protective clothing.
Waxes are lubricants, danger of slipping! Wear suitable footwear (antistatic work shoes).

Breathing protection:
If required, wear dust mask for fine particles when processing the product.

Wear respirator filter or breathing apparatus against vapours during thermal processing.

8.2.3. Environmental exposure controls
Information on environmental exposure ➔ Chapters 6, 7 and 12.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General:	
Colour:	White
Aggregate state:	Solid
Delivery forms:	Powder
Odour:	Not specified
Further information	
Vapor pressure (50 °C)	Not specified
Inflammability / Spontaneous ignitability:	None
Flash point:	> 182 °C
Odor threshold:	Not specified
Solubility in water and fat:	Insoluble
Lower / upper explosive limit:	Not specified
Explosive properties:	The products are not explosive, but during processing explosive dust may be accumulated → Chapter 7.1 / 10.3
Ignition temperature:	440 °C
Oxidizing properties:	None
pH value:	Not specified
Vapor density:	Not specified
Specific gravity:	< 1.3 g/cm³
Initial boiling point:	Not specified
Melting range:	133 – 136 °C
Decomposition temp.:	Not specified
Evaporation rate:	2.4 log POW
n-octanol-water partition coefficient:	Not specified
Viscosity, cup efflux time:	Not specified
Viscosity (140 °C)	Not specified

9.2. Other information

Dust explosion class	ST 2 – Possibility of dust explosion

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
Unknown.

10.2. Chemical stability
The product is stable under normal conditions and the set handling and storage conditions described in Chapter 7.

10.3. Possibility of hazardous reactions
The accumulation of dust may increase the possibility of dust explosion.

10.4. Conditions to avoid
No further relevant information available.

10.5. Incompatible materials
Strong oxidizing agents
Acids
Alkalis

10.6. Hazardous decomposition products
Carbon monoxide (CO) and carbon dioxide (CO_2)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:	LD / LC50 values:119-53-9 benzoin Oral LD50 6400 mg / kg (rat)
Irritating effects:	Weak irritation
Eye irritation:	Weak irritation
Sensitisation:	Weak irritation
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.

Results of CMR assessment: The substances do not meet the criteria for CMR category 1 or 2.
Further information: When the products are handled correctly, in compliance with the in-dustrial hygiene and the inhalation of dusts and fumes is avoided, there is no health risk.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
No further relevant information available.

12.2. Persistence and degradability
No further relevant information available.

12.3. Bio-accumulative potential
Log P(o/w): 2,4

12.4. Mobility in soil
No further relevant information available.

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
Water hazard class 2: water hazard

SECTION 13: DISPOSAL CONSIDERATION

13.1. Waste treatment methods
The producer of the waste must dispose the product according to its use, specific to the industry and the process, in cooperation with the local waste management company based on local waste disposal regulations and national regulations and laws. Contaminated packaging should be disposed according to local and national regulations and in consultation with the local waste management companies. For Europe, the waste producer sets the waste code in accordance with the European Waste List (Decision 2000/532/EC). According to the present knowledge, the products are not regarded as hazardous waste as defined by EU Directive 91/689/EEC

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.

	Road traffic - ADR - Rail traffic - RID -	Barge traffic - ADNR - Maritime traffic - IMDG -	Air traffic - IATA -
14.1. UN number	No hazardous materials	No hazardous materials	No hazardous materials
14.2. UN proper shipping name	No hazardous materials	No hazardous materials	No hazardous materials

14.3. Transport hazard class(es)	No hazardous materials	No hazardous materials	No hazardous materials
14.4. Packing group	No hazardous materials	No hazardous materials	No hazardous materials
14.5. Environmental hazards	No hazardous materials	No hazardous materials	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.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture
Labelling:
According to EC Directives 67/548/EEC and 1999/45/EC: None.
According to Regulation EC/1272/2008: None.

International regulations:
Regulation (EC) 1907/2006
Regulation (EC) 1272/2008
Regulation (EU) 453/2010
Directive 94/62/EC
Directive 2008/98/EC
Directive 2011/65/EU
Directive 2012/19/EU
- respectively in the latest version incl. all amendment and corrections.

National regulations:
Compliance with applicable agreements, regulations and laws of the respective country.
Classification according to GefStoffV. (BRD): No.
Technical Instruction Air (TA_{Luft}): Not classified.
Information on employment restrictions: None.

15.2. Chemical safety assessment
Not applicable according to Regulation (EC) 1907/2006 [REACH] Article 37 (4).

SECTION 16: OTHER INFORMATION

Further information:
The information is based on our present knowledge, it is correct and complete. However, this information is given without a guarantee. It remains the responsibility of the user to satisfy itself whether the information is appropriate and complete for his special use of the product.