

## Elephant Sorb

Oil Binder – Mineral Binder for Oil and Chemicals

Created on: 28. 07. 2006

Reviewed: 28. 01. 2010

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

<b>Trade name</b>	Elephant Sorb	
<b>REACH registration</b>	Natural substance according to REACH Regulation (EC) No. 1907/2006 Art. 3 No. 39	
<b>Use</b>	Oil binder - Mineral binder for oil and chemicals	
<b>Supplier</b>	RAW Handel und Beratungs GmbH Grünstraße 5 D-79232 March-Hugstetten Phone +49 (0) 7665 / 934 29 - 0 Fax +49 (0) 7665 / 934 29 - 25 These numbers will only be staffed during office hours.	
<b>Responsible person</b>	Mr J. Wittstock,	Phone +49 (0) 7665 / 934 29 - 0 This number will only be staffed during office hours.
<b>Qualified person</b>	Dipl.-Ing.(TU) M. Fischer,	Phone +49 (0) 7665 / 934 29 - 17 This number will only be staffed during office hours. E-mail: <a href="mailto:sdb@raw-international.com">sdb@raw-international.com</a>
<b>Emergency information (24 h)</b>	Poison Information Center in Bonn,	Phone +49 (0) 228 / 19240

### 2. HAZARD IDENTIFICATION

**The natural substance is not classified as dangerous in the sense of 1999/45/EC.**

In all cases please note the information of the Safety Data Sheet.

**Particular hazards for human and environment:**

No hazards to be particularly mentioned.

**Additional information:**

Preparation is not classified as flammable or combustible.

Preparation is not classified as dangerous to the environment.

Preparation is not classified as dangerous to health.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Chemical characterisation:</b>	Natural mineral earth of volcanic origin Amorphous sodium aluminium silicate (natural product)
<b>Hazardous components:</b>	None
<b>Additional information:</b>	1. Oil binder of type III/R on the basis of pumice stone (DEKRA Test Report 76478-1/06 of 08.12.2006 valid until 14.06.2012) 2. Chemical binder on the basis of pumice stone (DEKRA Test Report 79020C/08 of 14.12.2007) 3. Biodiesel binder on the basis of pumice stone (DEKRA Test Report 78742/07 of 20.11.2007)

### 4. FIRST AID MEASURES

<b>General information:</b>	No special measures are required
<b>After inhalation:</b>	Not applicable
<b>After skin contact:</b>	Not applicable
<b>After eye contact:</b>	Rinse eyes with running water for several minutes holding eyelids well apart
<b>After ingestion:</b>	Seek immediately medical advice

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### 5. FIRE FIGHTING MEASURES

<b>General information:</b>	The product itself is not combustible
<b>Suitable extinguishing media:</b>	Water, foam, dry powder, CO <sub>2</sub> , use extinguishing media appropriate for surrounding fire
<b>Extinguishing media unsuitable for safety reasons:</b>	Strong water jet
<b>Special protective equipment:</b>	None

### 6. ACCIDENTAL RELEASE MEASURES

<b>Person-specific precautionary measures:</b>	Not required
<b>Environmental measures:</b>	After having absorbed environmental polluting contaminants, avoid spillage into sewage system, ground water, surface water or soil
<b>Procedure for picking up / cleaning:</b>	Pick up mechanically

### 7. HANDLING AND STORAGE

<b>Handling:</b>	
<b>Information on safe handling:</b>	No special precautions are necessary
<b>Advice on fire and explosion protection:</b>	No special precautions are necessary
<b>Storage:</b>	
<b>Demands on storage rooms and containers:</b>	Store in a dry location
<b>Classification according to BetrSichV (Betriebssicherheitsverordnung = Operational Safety Ordinance):</b>	-
<b>Advice on storage assembly:</b>	None
<b>Further information on storage conditions:</b>	None

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Constituents with workplace-related limits to be monitored:</b>	
<b>General dust threshold value:</b>	6 mg/m <sup>3</sup> [TRGS 900 (Technische Regel für Gefahrstoffe = Technical Standard for Hazardous Materials), as at October 1998]
<b>Additional information:</b>	The lists valid at the moment of compiling this Data Sheet have been used as basis
<b>Personal protective equipment:</b>	
<b>Respiratory protection:</b>	If used as prescribed not required
<b>Skin protection:</b>	Protective gloves BGR 195 "Standards for the use of protective gloves" has to be observed (BGR: Berufsgenossenschaftliche Regel = Standard of the Professional Association)
<b>Eye protection:</b>	Protective goggles BGR 192 "Standards for the use of eye and face protection" has to be observed (BGR: Berufsgenossenschaftliche Regel = Standard of the Professional Association)
<b>Body protection:</b>	Protective work clothing, BGR 189 "Standards for the use of protective clothing" has to be observed (BGR: Berufsgenossenschaftliche Regel = Standard of the Professional Association)

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### General precautionary and hygienic measures:

Keep away from food, drink and animal feeding stuffs; take off immediately all soiled and contaminated clothing; wash hands before breaks and at the end of work; avoid contact with skin and eyes; when using the product do not eat, drink, smoke, sneeze

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Granulate, solid	<b>Odour:</b>	No odour
<b>Colour:</b>	Grey-fawn	<b>Boiling point:</b>	Not determined
<b>Melting point:</b>	> 1000 °C	<b>Bulk density:</b>	298 kg/m <sup>3</sup>
<b>Autoignition:</b>			The product can not ignite spontaneously
<b>Explosion hazard:</b>			The product is not explosive
<b>Solubility in / miscibility with water:</b>			Not miscible and/or barely miscible

## 10. STABILITY AND REACTIVITY

<b>Hazardous decomposition products:</b>	No hazardous decomposition products are known
<b>Materials to avoid:</b>	None
<b>Reactivity test:</b>	

Orientating reactivity test according to LTwS (Advisory Board of the German Federal Ministry of Environment for "Storage and Transport of Water Pollutants") No. 31 for the labelling code letters A, B, F and P.  
According to DEKRA Test Report 79020C/08 of 14.12.2007 a binder with suitability for:

Acids	Labelling code letter A
Basic (alkaline) substances (lyes)	Labelling code letter B
Highly flammable, combustible liquids	Labelling code letter F
Aqueous and polar liquids	Labelling code letter P
Oxidants	Labelling code letter O

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	None
<b>Skin:</b>	In general the product is not skin irritant
<b>Eyes:</b>	No irritant effect
<b>Additional toxicological information:</b>	According to our experience and present state of knowledge, the product causes no damaging effects if used as intended; on the basis of the latest version of the EC lists, the material requires no labelling

## 12. ECOLOGICAL INFORMATION

### General information:

According to the criteria of the EC classification and labelling "dangerous to the environment", defined in Directive 93/21/EEC, the product requires **no** classification and labelling as dangerous to the environment

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### 13. DISPOSAL CONSIDERATIONS

<b>Contaminated product:</b>	Disposal according to the waste code number of the absorbed product in the European Waste Catalogue
<b>Product not contaminated:</b>	Small quantities can be disposed of together with household waste and/or European Waste Catalogue 010102 (Wastes from mineral non-metalliferous excavation)
<b>Uncleaned packaging:</b>	Disposal according to official regulations
<b>Completely empty packaging:</b>	Disposal according to official regulations

### 14. TRANSPORT INFORMATION

<b>Land transport (ADR/RID):</b>	No dangerous good in the sense of these transport regulations.
<b>Inland waterway transport (ADN/ADNR):</b>	No dangerous good in the sense of these transport regulations.
<b>Sea ship transport (IMDG):</b>	No dangerous good in the sense of these transport regulations.
<b>Air transport (ICAO-TI / IATA-DGR):</b>	No dangerous good in the sense of these transport regulations.

### 15. REGULATORY INFORMATION

#### Labelling in accordance with EC Directives:

<b>Hazard symbol:</b>	Not applicable
<b>Hazard warning labelling:</b>	Not applicable
<b>Water endangering:</b>	Inorganic product hardly soluble in water. Can be mechanically separated in wastewater treatment plants to a large extent.
<b>Water hazard class:</b>	WK 1 (self-classifying); see paragraph 12

### 16. OTHER INFORMATION

The information given above is based on our present level of knowledge and does not constitute an assurance of properties. No claim is made to exhaustiveness. The information should only be considered a general guideline. Existing laws and regulations must be observed by the recipients of our product at their own responsibility. The company cannot be held responsible for damage resulting from the use of the product