

SAFETY DATA SHEET (EC 1907/2006)**VP Savosil™**

Material no.		Version	1.0 / GB
Specification	160181	Revision date	01.10.2009
VA-Nr		Print Date	07.10.2009
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name	:	VP Savosil™
Company	:	Evonik Degussa GmbH Inorganic Materials Produktsicherheit IM-PT-PS Postfach 1345 D-63403 Hanau
Telephone	:	+49 (0)6181 59-4787
Telefax	:	+49 (0)6181 59-4205
Email address	:	sds.asfp@evonik.com
Emergency telephone number	:	+49 (0)7623-919191
Use of the Substance / Preparation	:	glass

2. HAZARDS IDENTIFICATION**Additional safety information for humans and the environment**

On the basis of our data the product is not a hazardous substance as defined by the Chemicals Act or Hazardous Substance Ordinance in the currently valid versions.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Information on ingredients / Hazardous components****• Silicon dioxide, chemically prepared**

CAS-No.	112945-52-5	EC-No.	231-545-4
	7631-86-9		

See chapter 16 for text of risk phrases

4. FIRST AID MEASURES**Inhalation**

In case product dust is released:
Possible discomfort: cough, sneezing
Move victims into fresh air.

Skin contact

Wash off with plenty of water and soap.

Eye contact

Possible discomfort is due to foreign substance effect.
Rinse thoroughly with plenty of water keeping eyelid open.
In case of persistent discomfort: Consult an ophthalmologist.

Ingestion

Clean mouth with water and drink afterwards plenty of water.

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After absorbing large amounts of substance / In case of discomfort: Supply with medical care.

Notes to physician

No hazards which require special first aid measures.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

All extinguishing substances suitable.

Specific hazards during fire fighting

None known

Further information

Water used to extinguish fire should not enter drainage systems, soil or stretches of water.

Ensure there are sufficient retaining facilities for water used to extinguish fire.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Wear personal protective equipment.

Methods for cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal.

7. HANDLING AND STORAGE**Handling****Safe handling advice**

If necessary: Local ventilation.

Advice on protection against fire and explosion

Take precautionary measures against static discharges.

Storage**Requirements for storage areas and containers**

No special precautions required.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters**

- **Silicon dioxide, chemically prepared**

CAS-No.	112945-52-5	EC-No.	231-545-4
	7631-86-9		
Control parameters	6 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposition	Inhalable dust.		
Control parameters	2.4 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposition	Respirable dust.		

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Personal protective equipment**Respiratory protection**

No special protective equipment required.
If dust occurs: Dust mask with P2 particle filter

Hand protection

Wear protective gloves made of the following materials: material, rubber, leather.
The material thickness and rupture time data do not apply to non-solute solids / dusts.

Eye protection

Safety glasses with side-shields
If dust occurs: basket-shaped glasses

Skin and body protection

No special protective equipment required.

Hygiene measures

When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work.
To ensure ideal skin protection: use super fatted soaps and skin cream for skin care.
Wash contaminated clothing before re-use.

Protective measures

Handle in accordance with good industrial hygiene and safety practices.
If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.
If the limits at the workplace are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	transparent glass like material
Colour	colourless
Odour	odourless

Safety data

pH	not applicable
Melting point/range	ca. 1700 °C
Boiling point/range	not applicable
Flash point	not applicable
Flammability	not applicable
Ignition temperature	not applicable
Autoinflammability	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Minimum ignition energy	> 10 Joule

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Vapour pressure	not applicable	
Density	ca. 2.2 g/cm ³	(20 °C)
Tapped density	not applicable	
Water solubility	insoluble	
Partition coefficient (n-octanol/water)	not applicable	
Viscosity, dynamic	not applicable	

10. STABILITY AND REACTIVITY

Hazardous decomposition products	None known
Thermal decomposition	> 2000 °C

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 Rat: > 10000 mg/kg Method: literature
Acute inhalation toxicity	LC0 Rat: 0.139 mg/l / 4 h Method: literature (maximum concentration attainable in experiments) No deaths occurred.
Acute dermal toxicity	LD50 Rabbit: > 5000 mg/kg Method: literature
Skin irritation	Rabbit / literature not irritating
Eye irritation	Rabbit / literature not irritating
Repeated dose toxicity	Oral no negative effects inhalative No irreversible changes and no indication of silicosis.
Gentoxicity in vitro	no evidence of mutagenic effects literature
Gentoxicity in vivo	no evidence of mutagenic effects, literature
Carcinogenicity	no negative effects
Toxicity to reproduction	no negative effects
Human experience	Silicosis or other product specific illnesses of the respiratory tract were not observed in association with the product.

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12. ECOLOGICAL INFORMATION**Elimination information (persistence and degradability)****Behaviour in environmental compartments****Ecotoxicity effects**

Toxicity to fish	LC50 (Brachydanio rerio): > 10000 mg/l / 96 h Method: OECD 203
Toxicity to daphnia	EC50 Daphnia magna: > 10000 mg/l / 24 h Method: OECD 202

13. DISPOSAL CONSIDERATIONS**Product**

Can be disposed of with domestic refuse in accordance with the necessary technical regulations following consultation with waste disposal expert(s) and the responsible authorities.

Uncleaned packaging

Offer rinsed packaging material to local recycling facilities.
Other countries: observe the national regulations.

Waste Key Number

No waste key number as per the European Waste Types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer.

The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm / producing firm / official authority.

14. TRANSPORT INFORMATION**Transport/further information**

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION**Labelling according to EC Directives**

Other data	On the basis of our data the product is not a hazardous substance as defined by the Chemicals Act or Hazardous Substance Ordinance in the currently valid versions.
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National legislation**16. OTHER INFORMATION****Risk phrase (R phrase) texts****Further information**

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.