SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006	
ZEOSIL 185	
Revision: 1.00 GB (EN)	Issuing date: 19.05.2011

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade name	:	ZEOSIL 185
Product name	:	Precipitated synthetic amorphous silica
CAS-No.	:	112926-00-8
REACH : Registration number	:	01-2119379499-16-0017

Relevant identified uses of the substance or mixture and uses advised against

Uses of the Substance/Mixture	:	Specific use(s): Manufacture of rubber products, Manufacture of plastics products, including compounding and conversion, Other (use UCN codes), Polymer preparations and compounds

Details of the supplier of the safety data sheet

Company	:	Rhodia Brasil Ltda Fazenda São Francisco, s/n CEP: 13140-000, Paulínia - SP Tel: (+55 19) 3874 8000 Rhodia Silices de Venezuela C. A. Rhodia Silica Systems Latin America Zona Industrial II, Ampliacion Carrera 3A, Parcela A-3 Barquisimeto - Venezuela Phone: +58 (251) 2690979 – Fax: +58 (251) 2690882
Emergency telephone number	:	MULTI LINGUAL EMERGENCY NUMBER (24/7) Europe/America/Africa : +44 1235 239 670 (UK) Middle East & Africa speaking Arabic : +44 1235 239 671 (UK) Asia Pacific : +65 3158 1074 (Singapore) China : +86 10 5100 3039 (Beijing) ORFILA : +33 (0)1.45.42.59.59 Mercosul : (+55 19) 3874 9333
E-mail address	:	information.fds@eu.rhodia.com

2. HAZARDS IDENTIFICATION

Classification

Classification (REGULATION (EC) No 1272/2008)

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC,1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Label elements

REGULATION (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

Other hazards which do not result in classification

Mild respiratory irritant. By mechanical effect Slightly irritating to eyes and skin. NO particular fire or explosion hazard. Electrostatic charges may build up by swirling, pneumatic transport, pouring, etc.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Precipitated synthetic amorphous silica

Substance

CAS-No. : 112926-00-8

EINECS-No. : 231-545-4

Information on Components and Impurities

Chemical Name	Identification number	Classification 67/548/EEC	Classification REGULATION (EC) No 1272/2008	Concentration [%]
Old CAS n° : 7631-86-9 :				
Synthetic amorphous silica	CAS-No. : 112926-00-8 self classification	not classified		>= 87

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

4. FIRST AID MEASURES

Description of necessary first-aid measures

General advice : Show this safety data sheet to the doctor in attendance.

Inhalation : Move to fresh air.
Keep at rest.
Consult a physician.

Skin contact : If on skin, rinse well with water.
If skin irritation persists, call a physician.

Eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a physician
Ingestion	:	Do NOT induce vomiting. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

Risks	:	First aider needs to protect himself.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	:	All extinguishing agents can be used.
Unsuitable extinguishing media	:	None known. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Special hazards arising from the substance or mixture

Specific hazards during fire fighting	:	Not combustible.

Advice for firefighters

Special protective equipment for fire-fighters	:	Gloves Goggles Boots
Specific fire fighting methods	:	Use appropriate means for fighting adjacent fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Avoid contact with eyes. Personal protective equipment Respirator with a particle filter (EN 143) Safety glasses
Environmental precautions	:	Ecological injuries are not known or expected under normal use.

Methods for Cleaning or Taking Up

Recovery : Pick up and arrange disposal without creating dust.

Decontamination/cleaning : Wash off with plenty of water.

Disposal : Treat recovered material as described in the section "Disposal considerations".

7. HANDLING AND STORAGE

Handling

Advice on safe handling and usage : Avoid dust formation.

Storage

Technical Measures for storage : Do not stack the pallets.

Storage conditions

Recommended : Protect from moisture.

Packaging Measures

Packaging materials - Recommended : Polypropylene, Paper bags

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	Value type	Value	Update	Basis
silicon dioxide	TWA	6 mg/m3	2005-04-06	UK. EH40 WEL - Workplace Exposure Limits
	Form of exposure : Inhalable			
silicon dioxide	TWA	2.4 mg/m3	2005-04-06	UK. EH40 WEL - Workplace Exposure Limits
	Form of exposure : Respirable			

Control measures

Engineering measures	:	Apply technical measures to comply with the occupational exposure limits.

Personal protective equipment

Respiratory protection	:	Use a respirator with an approved filter if a risk assessment indicates this is necessary.
Eye protection	:	Safety glasses
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice.
Protective measures	:	The protective equipment must be selected in accordance with current CEN standards and in cooperation with the supplier of the protective equipment. Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards and/or risks that may occur during use. Handle in accordance with good industrial hygiene and safety practice.
General advice	:	Ecological injuries are not known or expected under normal use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	:	granules Amorphous powder
Physical state	:	solid
Colour	:	white
Odour	:	None.
Odour Threshold	:	Method: not applicable
Particle size	:	at ca. 0.06 mm

Safety data

pH	:	5.8 - 7.2 at 5 % (m/v) (aqueous suspension)
Melting point/range	:	> 1,700 °C
Boiling point/boiling range	:	not applicable

	:	not applicable
Flash point	:	Not applicable (non-flammable solid).
Flammability (solid, gas)	:	not applicable
Autoignition temperature	:	not applicable
Oxidizing properties	:	Non oxidizing material according to EC criteria
Water solubility	:	ca. 0.1 g/l
Solubility in other solvents	:	common organic solvents insoluble
Partition coefficient: n-octanol/water	:	not applicable
Vapour pressure	:	not applicable
Evaporation rate	:	not applicable
Relative vapour density	:	not applicable
Density	:	2.1 g/cm3
Bulk density	:	ca. 0.22 kg/m3 Tamped product
Oxidation/Reduction Potential	:	not applicable
Viscosity, dynamic	:	not applicable
Viscosity, kinematic	:	not applicable
Explosive properties	:	not applicable
Thermal decomposition	:	not applicable
Lower explosion limit	:	not applicable
Upper explosion limit	:	not applicable
Molecular Weight	:	60.2 g/mol

10. STABILITY AND REACTIVITY

Chemical stability	:	Stable at room temperature.
Hazardous reactions		
Conditions to avoid	:	No dangerous reaction known under conditions of normal use.
Materials to avoid	:	No dangerous reaction known with common products.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity	:	LD50 : > 5,000 mg/kg - rat Unpublished reports
Acute inhalation toxicity	:	Risk of physical blockage of the upper respiratory tract By analogy An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.
Acute dermal toxicity	:	LD50 : > 5,000 mg/kg - rabbit Unpublished reports
Acute toxicity (other routes of administration)	:	no data available
Aspiration toxicity	:	not applicable

Skin corrosion/irritation

Skin irritation	:	Repeated or prolonged contact may cause slight irritation to the skin Unpublished reports

Serious eye damage/eye irritation

Eye irritation	:	Mild eye irritant Unpublished reports

Respiratory or skin sensitization

Sensitisation	:	Humans no cutaneous sensitisation reaction observed Unpublished reports

Repeated dose toxicity

Repeated dose toxicity	:	If inhaled No irreversible effect or symptom of silicosis was observed during the inhalation toxicity tests Unpublished reports Oral exposure No irreversible effects were observed during chronic oral toxicity tests Unpublished reports

STOT

STOT - single exposure	:	Toxicology Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure : Toxicology Assessment:
The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Carcinogenicity

Carcinogenicity : rat
Oral exposure
Animal testing did not show any carcinogenic effects.
Unpublished reports

mouse
Oral exposure
Animal testing did not show any carcinogenic effects.
Unpublished reports

Mutagenicity

Genotoxicity in vitro : no data available
Genotoxicity in vivo : no data available

Reproductive toxicity

Reproductive toxicity : Fertility and developmental toxicity tests did not reveal any effect on reproduction.
Unpublished reports

Neurological effects

Neurological effects : No neurotoxic effects observed

Experience with human exposure

Experience with human exposure : Inhalation : Mild respiratory irritant.
Unpublished reports

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Aquatic Compartment (including sediment)

Toxicity to fish : LC50 - 96 h : > 10,000 mg/l - Danio rerio (zebra fish)
Unpublished reports

Toxicity to daphnia and other aquatic invertebrates.	:	EC50 - 24 h : > 1,000 mg/l - Daphnia magna (Water flea) Unpublished reports

Ecotoxicity assessment

Ecotoxicity assessment	:	The product does not have any known adverse effects on the aquatic organisms tested

Persistence and degradability

Biodegradability

Biodegradability	:	Not applicable mineral product

Bioaccumulation

Bioconcentration factor (BCF)	:	Not bioaccumulable Published data

Mobility

Known distribution to environmental compartments	:	Ultimate destination of the product : Soil Ultimate destination of the product : Sediment

13. DISPOSAL CONSIDERATIONS

Product Disposal

Prohibition	:	Should not be released into the environment.
Advice on Disposal	:	Dispose of in accordance with local regulations.

Advice on cleaning and disposal of packaging

Advice	:	Cleaning is not required prior to disposal.
Other data	:	Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

ADR
not regulated

RID
not regulated

IMDG
not regulated

IATA
not regulated

ADN / ADNR
not regulated

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

15. REGULATORY INFORMATION

According to our knowledge, no specific regulatory information.

16. OTHER INFORMATION

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. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in an other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.