

**Trade name: Resilit-S Powder****Safety data sheet in accordance with (EG) Nr. 1907 / 2006**

Date of printing : 10.12.2010

**01. Identification**

Product details	
Trade name	Resilit-S Powder
Application of the material / of the formulation	
Identification of the manufacturer	
Address	ERKODENT Erich Kopp GmbH, Siemensstr. 3, D-72285 Pfalzgrafenweiler
Information provided by	Chemie
Telephone number	Tel.: (+49) (0) 7445 / 85 01 - 0, Fax: (+49) (0) 7445 / 20 92, e-mail: w.heuchert@erkodent.com
Emergency telephone number :	

**02. Hazards possibilities**

Hazard designation	-
Particular information pertaining specific risk for human / environment	No special hazards have to be mentioned.,

**03. Composition/information on ingredients**

Chemical characterization	Acrylpolymer auf Basis von Methylmethacrylat					
Substance / product identification						
Hazardous ingredients						
		<b>CAS no.</b>	<b>EINECS no.</b>	<b>%</b>	<b>Hazard symbols</b>	<b>R phrases</b>
	Dibenzoylperoxid	94-36-0	----	< 1	Xi	36, 43
	Dibuthylphthalat	84-74-2	----	1 – 5	Xn	62, 63
Additional information						

**04. First aid measures**

General Information	-
First aid measures / inhalation.	Ensure supply of fresh air.
First aid measures / skin contact.	In case of contact with skin wash off immediately with soap and water., Consult a doctor if skin irritation persists.
First aid measures / eye contact.	In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water., Begin with medical treatment.
First aid measures / ingestion..	-
Advice to doctor	-

**05. Fire-fighting measures**

Suitable extinguishing media	foam dry powder carbon dioxide. water mist
Extinguishing media that must not be used for safety reasons	Full water jet
Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases.	Take precautionary measures against electrostatic loading., Containers in danger should be cooled with water.
Special protective equipment for firefighting	
Additional informations (chapter 5)	Cool endangered containers with water spray jet., Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**06. Accidental release measures**

personal precautions.	Avoid dust formation., Avoid contact with skin, eyes and clothing.
environmental precautions.	-
methods for cleaning up/taking up.	Pick up mechanically.
Additional informations (chapter 6).	

**07. Handling and storage**

Handling	
Hints on safe handling.	Avoid dust formation.
Hints for protection against fire and explosion.	Keep away from sources of ignition - refrain from smoking.
Storage	
Requirements for storage rooms and vessels.	Store product in closed containers.
Hints on storage assembly.	Do not store together with foodstuffs.
Further information on storage conditions.	Keep container tightly closed, cool and dry.
Storage category	-
Storage stability	-
Recommended storage temperature	10 – 25 °C < 30 °C

**08. Exposure controls/personal protection**

Additional hints on technical system design.	No special measures necessary.
Ingredients with occupational exposure limits to be monitored	CAS: 80-62-6 Methylmethacrylat; MAK: MMA 50 ppm – 210 mg/m <sup>3</sup> CAS: 94-36-0 Dibenzoylperoxid, MAK: 5 mg/m <sup>3</sup>

Personal protective equipment <input type="checkbox"/> Personal protective equipment <input type="checkbox"/> Persönliche Schutzausrüstung	
Respiratory protection	Dust mask
Hand protection	Gloves (solvent-resistant)
Eye protection	tightly fitting safety glasses
Skin protection	light protective clothing
General protective and hygiene measures	Do not eat, drink or smoke during work time., Keep separated from food-stuffs and feed-stocks., Avoid contact with eyes and skin., Observe the usual precautions when handling chemicals.

**09. Physical and chemical properties**

Appearance.	
Form	Fine powder
Colour	Various, depending on coloration
Odour	characteristic

Safety data	
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Changes in physical state			
Softening temperature	Ca. 110	°C	
Flash point	> 250	°C	DIN 51755
Ignition temperature	> 400	°C	DIN 51794
self ignition			
explosion limits	n.b.	Vol %	
Upper explosion limit	n.b.	Vol %	
Vapour pressure	n.a.	hPa	20 °C
Density	2,1	g/cm <sup>3</sup>	20 °C
Solubility in water	insoluble	g/l	20 °C
Soluble in	Soluble in esters, CKW	g/l	
pH-Value	n.a.		
Viscosity	n.b.		

Other information ( chapter 9.)	-
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## 10. Stability and reactivity

Hazardous reactions	-
Hazardous decomposition products	Irritant gases/vapours Methyl methacrylate
Thermal decomposition	> 250 °C
Additional informations (chapter 10)	Recommended storage temperature < 30°C

## 11. Toxicologic indications

Acute toxicity	
Acute oral toxicity	-
Acute dermal toxicity	-
Acute inhalational toxicity	-

Irritant/corrosive effects	
Irritant effect on skin	irritant Dibenzoylperoxid < 1 %
Irritant effect on eyes	irritant Dibenzoylperoxid < 1 %

Sensitization	Possibility of sensitization through skin contact. Dibenzoylperoxid < 1 %
Effects after repeated or prolonged exposition (subacute, subchronic, cronic)	The product can cause skin and eye irritation., Irritates the mucous membrane. No toxicological data are available.
Other information (chapter 11.)	-
Experiences made in practice.	-
General remarks.	-

## 12. Environmental indications

Data on elimination ( persistence and degradability) :	
Physico-chemical eliminability	The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.
Biodegradability	-

Behaviour in environment compartments.	-
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Ecotoxic effect	
Fish toxicity	-
Daphnia toxicity	-
Algae toxicity	-
Bacteria toxicity	-

Further ecological information	Do not allow to enter soil, waterways or waste water canal.
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Result of the evaluation of PBT characteristics	
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## 13. Disposal considerations

Disposal considerations	
Disposal / product	-
Disposal / contaminated packagings.	Completely emptied packagings can be given for recycling.

Waste code no. / name of waste (for Germany only)	57117 Polyacrylat- u. Polycarbonat The stated Waste Code Number(s) according to the European Waste Catalogue (EAK) is (are) considered as a recommendation. A definite setting (establishment) should be carried out in co-ordination with the Regional Waste Disposal Authority.
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**14. Transport information**

Land transport ADR/RID	
Class	-
Number/letter	-
Hazard number (Kemler-number)	
UN number	
Technical name	
Remarks	

Inland waterways transport ADN/ADNR	
Class	-
Number/letter	-
Category	-
Technical name	
Remarks	-

Marine transport IMDG/GGVSee	
Class	
UN number	
page	
EmS	
MFAG	-
MARINE POLLUTANT	-
Correct technical name	
Remarks	

Air transport ICAO/IATA	
Class	
UN number	
page	
Correct technical name	
Remarks	

Other information (chapter 14.)	-
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**15. Regulatory information**

Labelling in accordance with GefStoffV/EC	
The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.	

Hazard symbols		
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R phrases		
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S phrases		
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Other regulations	
Restriction of occupation.	-
Decree for case of interference / remarks (for Germany only).	-
Classification according to VbF / remarks (for Germany only).	
TA-Luft (Ger.)	-
Water Hazard Class (Ger.)	1
Other regulations, restrictions and prohibition regulations (for Germany only)	-
Securityevaluation++Stoffsicherheitsbeurteilung	

**16. Other information (chapter 16.).**

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This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.