

Trade name: Algiform
Safety data sheet in accordance with 91/155/EEC
 Date of printing : 29.06.2009

01. Identification

01.01 Product details	
01.01.01. Trade name	Algiform
01.02. Identification of the manufacturer	
01.02.01. Address	ERKODENT Erich Kopp GmbH, Siemensstr. 3, D-72285 Pfalzgrafenweiler
01.02.02. Information provided by	Chemie
01.02.03. Telephone number	Tel.: (+49) (0) 7445 / 85 01 - 0, Fax: (+49) (0) 7445 / 20 92
01.02.04. Emergency telephone number :	

02. Composition/information on ingredients

02.01. Chemical characterization	Alginat Filler SiO2
02.02. Substance / product identification	-
02.03. Hazardous ingredients	SiO2 Powder Powder
02.04. Additional information	-

03. Hazards possibilities

03.01. Hazard designation	-
03.02. Particular information pertaining specific risk for human / environment	-

04. First aid measures

04.01. General Information	
04.02. First aid measures / inhalation.	Ensure supply of fresh air.
04.03. First aid measures / skin contact.	In case of contact with skin wash off with warm water.
04.04. First aid measures / eye contact.	In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution.
04.05. First aid measures / ingestion..	Rinse out mouth and give plenty of water to drink.
04.06. Advice to doctor	

05. Fire-fighting measures

05.01. Suitable extinguishing media	Product itself is non-combustible; Fire extinguishing method of surrounding areas must be discussed., water spray jet, carbon dioxide., dry powder, foam
05.02. Extinguishing media that must not be used for safety reasons	-
05.03. Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases.	Sulphur trioxide (SO3), Sulphur trioxide (SO3) - mist
05.04. Special protective equipment for firefighting	-
05.05. Additional informations (chapter 5)	-

06. Accidental release measures

06.01. personal precautions.	Avoid dust formation., Use personal protective clothing.
06.02. environmental precautions.	-
06.03. methods for cleaning up/taking up.	Pick up mechanically.
06.04. Additional informations (chapter 6).	

07. Handling and storage

07.01. Handling	
07.01.01. Hints on safe handling.	Avoid dust formation., Provide exhaust ventilation if dust is formed.
07.01.02. Hints for protection against fire and explosion.	Avoid formation of dust.

07.02. Storage	
07.02.01. Requirements for storage rooms and vessels.	Store product in closed containers.
07.02.02. Hints on storage assembly.	-
07.02.03. Further information on storage conditions.	Keep container tightly closed and dry., Protect against wetness.
07.02.04. Storage category	-
07.02.05. Storage stability	-
07.02.06. Recommended storage temperature	10 – 25 °C

08. Exposure controls/personal protection

08.01. Additional hints on technical system design.	-
08.02. Ingredients with occupational exposure limits to be monitored	Kieselgur: MAK 0,3F mg/m ³ (50-100%) Quarz: MAK 0,15F mg/m ³ (10-25%) Calciumsulfat-2hydrat: MAK 6F mg/m ³ (2,5-10%)

08.03. Personal protective equipment <input type="checkbox"/> Personal protective equipment <input type="checkbox"/> Persönliche Schutzausrüstung	
08.03.01. Respiratory protection	Dust mask
08.03.02. Hand protection	Gloves
08.03.03. Eye protection	safety glasses
08.03.04. Skin protection	light protective clothing
08.03.05. General protective and hygiene measures	Avoid contact with eyes.

09. Physical and chemical properties

09.01. Appearance.	
09.01.01. Form	Fine powder
09.01.02. Colour	white opaque
09.01.03. Odour	characteristic

09.02. Safety data	
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Changes in physical state

	n.b.	°C	
Flash point	n.a.	°C	
Ignition temperature	n.a.	°C	
self ignition			
explosion limits	n.a.		
Upper explosion limit	n.a.		
Vapour pressure	-		
Density			
ca.	2,3	g/cm ³	
solubility			
	5	g/l	
Soluble in		g/l	
pH-Value			
	6 - 8		
Viscosity			
	n.b.		

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

10.01. Hazardous reactions	-
10.02. Hazardous decomposition products	-
10.03. Thermal decomposition	No decomposition if used as prescribed.
10.04. Additional informations (chapter 10)	-

11. Toxicological information

11.01. Acute toxicity	-
11.01.01. Acute oral toxicity	-
11.01.02. Acute dermal toxicity	-
11.01.03. Acute inhalational toxicity	-
11.02. Irritant/corrosive effects	-
11.02.01. Irritant effect on skin	-
11.02.02. Irritant effect on eyes	slight irritant effect - does not require labelling
11.03. Sensitization	-
11.04. Effects after repeated or prolonged exposition (subacute, subchronic, cronic)	Product contains over 1 % fein dust containing Quarz and can cause Silikose.
11.08. Other information (chapter 11.)	-
11.09. Experiences made in practice.	-
11.10. General remarks.	When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

12. Ecological information

12.01. Data on elimination (persistence and degradability) :	
12.01.01. Physico-chemical eliminability	-
12.01.02. Biodegradability	The organic component of the product is biodegradable.
12.02. Behaviour in environment compartments.	-
12.03. Ecotoxic effect	-
12.03.01. Fish toxicity	-
12.03.02. Daphnia toxicity	-
12.03.03. Algae toxicity	-
12.03.04. Bacteria toxicity	-
12.04. Further ecological information	-

13. Disposal considerations

13.01. Disposal considerations	
13.01.01. Disposal / product	
13.01.02. Disposal / contaminated packagings.	Completely emptied packagings can be given for recycling.
13.02. Waste code no. / name of waste (for Germany only)	31443 Kieselsäure- u. Quarzabfälle

14. Transport information

14.01. Land transport ADR/RID	
14.01.01. Class	-
14.01.02. Number/letter	-
14.01.03. Hazard number (Kemler-number)	-
14.01.04. UN number	-
14.01.05. Technical name	-
14.01.06. Remarks	-
14.02. Inland waterways transport ADN/ADNR	
14.02.01. Class	-
14.02.02. Number/letter	-
14.02.03. Category	-
14.02.04. Technical name	-
14.02.05. Remarks	-
14.03. Marine transport IMDG/GGVSee	
14.03.01. Class	-

14.03.02. UN number	-
14.03.03. page	-
14.03.04. EmS	-
14.03.05. MFAG	-
14.03.06. MARINE POLLUTANT	-
14.03.07. Correct technical name	-
14.03.08. Remarks	-

14.04. Air transport ICAO/IATA	
14.04.01. Class	-
14.04.02. UN number	-
14.04.03. page	-
14.04.04. Correct technical name	-
14.04.05. Remarks	-

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

15.01. 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.	

15.02. Other regulations	
15.02.01. Restriction of occupation.	-
15.02.02. Decree for case of interference / remarks (for Germany only).	-
15.02.03. Classification according to VbF / remarks (for Germany only).	-
15.02.04. TA-Luft (Ger.)	-
15.02.05. Water Hazard Class (Ger.)	-
15.02.06. Other regulations, restrictions and prohibition regulations (for Germany only)	to observe: TRGA 508 „Silicon dust“

16. Other information (chapter 16.).

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(n.a. = Not applicable; n.b.= not determined)

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.