

Trade name: Isolac**Safety data sheet in accordance with 91/155/EEC**

Date of printing : 30.09.2004

01. Identification

01.01 Product details	
01.01.01. Trade name	Isolac
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	Dest. water, Natriumalginat
02.02. Substance / product identification	-
02.03. Hazardous ingredients	None.
02.04. Additional information	-

03. Hazards possibilities

03.01. Hazard designation	None.
03.02. Particular information pertaining specific risk for human / environment	-

04. First aid measures

04.01. General Information	
04.02. First aid measures / inhalation.	-
04.03. First aid measures / skin contact.	-
04.04. First aid measures / eye contact.	Separate eyelids, wash the eyes thoroughly with water (15 min.), Eye treatment by an Occulist.
04.05. First aid measures / ingestion.	-
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.
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.	-
05.04. Special protective equipment for firefighting	-
05.05. Additional informations (chapter 5)	-

06. Accidental release measures

06.01. personal precautions.	-
06.02. environmental precautions.	Do not discharge into the drains/surface waters/groundwater.
06.03. methods for cleaning up/taking up.	Take up with absorbent material (eg sand, kieselguhr, universal binder).
06.04. Additional informations (chapter 6).	-

07. Handling and storage

07.01. Handling	
07.01.01. Hints on safe handling.	-
07.01.02. Hints for protection against fire and explosion.	The product is not combustible.

07.02. Storage	
07.02.01. Requirements for storage rooms and vessels.	-
07.02.02. Hints on storage assembly.	-
07.02.03. Further information on storage conditions.	Protect from heat and direct sunlight.
07.02.04. Storage category	-
07.02.05. Storage stability	Aqueous solutions have only limited stability.
07.02.06. Recommended storage temperature	20- 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	-

08.03. Personal protective equipment Personal protective equipment Persönliche Schutzausrüstung	
08.03.01. Respiratory protection	-
08.03.02. Hand protection	-
08.03.03. Eye protection	safety glasses
08.03.04. Skin protection	-
08.03.05. General protective and hygiene measures	-

09. Physical and chemical properties

09.01. Appearance.	
09.01.01. Form	Liquid
09.01.02. Colour	colourless, almost clear
09.01.03. Odour	odourless

09.02. Safety data	
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Changes in physical state

Melting point, Melting range	0	°C	
Starts to boil	100	°C	

Flash point

	n.a.	°C	
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Ignition temperature

	n.a.	°C	
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self ignition

explosion limits	n.a.		
Upper explosion limit	n.a.		

Vapour pressure

	n.a.		
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Density

	1,0	g/cm3	
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solubility

	miscible in all proportions	g/l	20 °C
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Soluble in

soluble in Alcohols and Ketones		g/l	
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pH-Value

	n.b.		
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Viscosity

	n.b.		
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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	-
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	-
11.03. Sensitization	-
11.04. Effects after repeated or prolonged exposition (subacute, subchronic, cronic)	-
11.08. Other information (chapter 11.)	-
11.09. Experiences made in practice.	-
11.10. General remarks.	-

12. Ecological information

12.01. Data on elimination (persistence and degradability) :	
12.01.01. Physico-chemical eliminability	-
12.01.02. Biodegradability	-
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)	-

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)	-

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.