

Trade name: Leiston resin**Safety data sheet in accordance with (EG) Nr. 1907 / 2006**

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01. Identification

Product details	
Trade name	Leiston resin
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	Harmful
Particular information pertaining specific risk for human / environment	Flammable, Harmful by inhalation., Irritating to eyes and skin.

03. Composition/information on ingredients

Chemical characterization		Polyesterharz				
Substance / product identification		CAS-Nr.: 100-42-5; EINECS: 202-851-5; Xn; R10,20,36/38 ; 25 < 50 %				
Hazardous ingredients		Styrol				
		CAS no.	EINECS no.	%	Hazard symbols	R phrases
	Styrol	100-42-5	202-851-5	25 < 50	Xn	10, 20, 36/38
Additional information						

04. First aid measures

General Information	Remove contaminated clothing immediately and dispose of safely. In case of accident or if you feel unwell, seek medical advice immediately. If the patient is likely to become unconscious, place and transport in stable sideways position.
First aid measures / inhalation.	Remove the casualty into fresh air and keep him calm. In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice.
First aid measures / skin contact.	In case of contact with skin wash off immediately with soap and water. Don't use solvents.
First aid measures / eye contact.	In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Seek medical aid immediately.
First aid measures / ingestion..	Summon a doctor immediately. Do not induce vomiting.. Provide for body rest, protect against loss of heat.
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.	In case combustion evolution of dangerous gases possible.
Special protective equipment for firefighting	In case of combustion use a suitable breathing apparatus.
Additional informations (chapter 5)	Collect contaminated firefighting water separately, must not be discharged into the drains.

06. Accidental release measures

personal precautions.	Ensure adequate ventilation. Keep away sources of ignition. Refer to protective measures listed in sections 7 and 8.
environmental precautions.	Do not discharge into the drains/surface waters/groundwater. In case the product spills into sewage waters, immediately inform the authorities.
methods for cleaning up/taking up.	Take up with absorbent material (eg sand, kieselguhr, universal binder). Dispose of absorbed material in accordance with the regulations. Clean contaminated floors and objects thoroughly, observing environmental regulations.
Additional informations (chapter 6).	-

07. Handling and storage

Handling	
Hints on safe handling.	Provide good ventilation of working area (local exhaust ventilation if necessary)., Observe the usual precautions for handling chemicals., Take precautionary measures against electrostatic loading.
Hints for protection against fire and explosion.	Keep away from sources of ignition - refrain from smoking., Vapours can form an explosive mixture with air., The product vapours are heavier than air.

Storage	
Requirements for storage rooms and vessels.	Store product in closed containers.
Hints on storage assembly.	Do not store with acids or alkalies. Do not store with strong oxidizing agents.
Further information on storage conditions.	Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.
Storage category	
Storage stability	
Recommended storage temperature	

08. Exposure controls/personal protection

Additional hints on technical system design.	See chapter 7; no measures exceeding the ones mentioned are necessary.
Ingredients with occupational exposure limits to be monitored	EINECS: 202-851-5 Styrol; MAK 20.00 ppm

Personal protective equipment <input type="checkbox"/> Personal protective equipment <input type="checkbox"/> Persönliche Schutzausrüstung	
Respiratory protection	If workplace limits are exceeded, a respirations protection approved for this particular job must be worn.
Hand protection	Protective gloves
Eye protection	safety glasses
Skin protection	light protective clothing, anti-static
General protective and hygiene measures	Avoid contact with eyes and skin., Keep away from foodstuffs and beverages., Wash hands before breaks and after work., Use barrier skin cream.

09. Physical and chemical properties

Appearance.	
Form	Liquid
Colour	yellow
Odour	of styrene

Safety data	
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Changes in physical state

Boiling point	ca 110	°C	
Flash point			
	> 23	°C	
Ignition temperature			
	415	°C	
self ignition			
explosion limits	1,2	Vol %	
Upper explosion limit	8,9	Vol %	
Vapour pressure			
	2	mbar	20°C
Density			
	1.15	g/cm3	20 °C
Solubility in water			
	insoluble	g/l	
Soluble in			
	-	g/l	
pH-Value			
	-		
Viscosity			
Efflux time	178	Sec. 4mm	20 °C
Other information (chapter 9.)	-		

10. Stability and reactivity

Hazardous reactions	Reactions with acids, alkalies and oxidizing agents.
Hazardous decomposition products	Nitrous oxides (NOx), Carbon monoxide, Carbon dioxide
Thermal decomposition	Stable at ambient temperature., No decomposition if used as prescribed.
Additional informations (chapter 10)	No hazardous reactions when stored and handled according to prescribed instructions.

11. Toxicologic indications

Acute toxicity	Inhalation of the vapours causes irritation of the respiratory tract and mucous membrane, headaches, nausea, giddiners, vomiting.
Acute oral toxicity	-
Acute dermal toxicity	-
Acute inhalational toxicity	-
Irritant/corrosive effects	
Irritant effect on skin	Frequent persistent contact with the skin can cause skin irritation., Solvent removes skin oil from the skin.
Irritant effect on eyes	irritant - risk of serious damage to eyes
Sensitization	-
Effects after repeated or prolonged exposition (subacute, subchronic, cronic)	Inhalation of the vapours causes irritation of the respiratory tract and mucous membrane, headaches, nausea, giddiners, vomiting., Kidney damage is possible., Liver damage is possible., Damage to the lungs possible.
Other information (chapter 11.)	-
Experiences made in practice.	The solvent vapours cause an irritating effect to the respiratory organs.
General remarks.	-

12. Environmental indications

12.01. Data on elimination (persistence and degradability) :	
Physico-chemical eliminability	
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.	Not cleanable packings should be disposed of in agreement with the Regional Waste Disposal Authority.

Waste code no. / name of waste (for Germany only)	080111 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	< 450 I (3 > 450 I)
Number/letter	-
Hazard number (Kemler-number)	
UN number	1866
Technical name	Harzlösung
Remarks	VG/PG: III

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

Marine transport IMDG/GGVSee	
Class	9 (< 450 I)
UN number	3082
page	-
EmS	-
MFAG	-
MARINE POLLUTANT	-
Correct technical name	Environmentally Hazardous Substance, Liquid N:o.S: synthopan 153, 68 % IG ST
Remarks	VG/PG: III

Air transport ICAO/IATA	
Class	3
UN number	1866
page	
Correct technical name	Resin Solution, flammable
Remarks	VG/PG: III

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

Labelling in accordance with GefStoffV/EC	
The product is classified and labelled in accordance with EC Directives.	

Hazard symbols	Xn	Harmful
TA-Luft / components		Styrol

R phrases	R 10	Flammable
	R 20	Harmful by inhalation.
	R 36/38	Irritating to eyes and skin.

S phrases	S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S 51	Use only in well-ventilated areas.

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.)	II 34,9 %
Water Hazard Class (Ger.)	WGK: 2 VCI Water Hazard Class List
Other regulations, restrictions and prohibition regulations (for Germany only)	§ 15a d. GefStoffV § 22 ArbSchG §§ 4 u. 5 MuSchRiV
Securityevaluation++Stoffsicherheitsbeurteilung	

16. Other information (chapter 16.).

BG-Data sheet M 017 „Solvents“

(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.