with 1907/2006/EC

Trade name: Seatec Epoxy Leichtspachtel Härter

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name

Seatec Epoxy Leichtspachtel Härter

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

Relevant identified uses of the substance or mixture

Epoxy resin hardener

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

SVB Spezialversand für Yacht- und Bootszubehör GmbH

Gelsenkirchener Strasse 25-27

28199 Bremen

Telephone no. +49(0) 421 57 29 0-0

e-mail info@svb.de

Advice on Safety Data Sheet

info@svb.de

1.4 Emergency telephone number

For medical advice (in German and English): +49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 2; H411 Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317

Classification information

Classification and labelling are based on toxicological studies performed on the product (mixture).

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms





Signal word

Danger

Hazardous component(s) to be indicated on label:

Fatty acids, C18-unsatd., dimers, polymers with tall-oil fatty acids and triethylenetetramine

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Amines, polyethylenepoly-, triethylenetetramine fraction

Hazard statement(s)

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

Hazard statements (EU)

EUH208 Contains 3-aminopropyldimethylamine. May produce an allergic reaction.

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children. P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P391 Collect spillage.

P501 Dispose of contents/container to a facility in accordance with local and national

regulations.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name		Additi	onal information	า	
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Conce	entration		%
	REACH no					
1		nsatd., dimers, polymers with tall-oil fatty acids				
	and triethylenetetra					
	68082-29-1	Eye Dam. 1; H318	>=	25.00 - <	50.00	%-b.w.
	500-191-5	Skin Irrit. 2; H315				
	-	Skin Sens. 1A; H317				
	01-2119972320-44	Aquatic Chronic 2; H411				
2	benzyl alcohol					
	100-51-6	Acute Tox. 4; H302	>=	10.00 - <	25.00	%-b.w.
	202-859-9	Acute Tox. 4; H332				
	603-057-00-5	Eye Irrit. 2; H319				
	01-2119492630-38					
3		enepoly-, triethylenetetramine fraction				
	90640-67-8	Acute Tox. 4; H302	<	5.00		%-b.w.
	292-588-2	Acute Tox. 4; H312				
	-	Aquatic Chronic 3; H412				
	01-2119487919-13	Eye Dam. 1; H318				
		Skin Corr. 1B; H314				
		Skin Sens. 1; H317				
4	3-aminopropyldime					
	109-55-7	Acute Tox. 4; H312	<	2.50		%-b.w.
	203-680-9	Flam. Liq. 3; H226				
	612-061-00-6	Skin Corr. 1B; H314				
	01-2119486842-27	Skin Sens. 1B; H317				
		Acute Tox. 4*; H302				
		STOT SE 3; H335				

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Eye Dam. 1; H318

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(*,**,***,****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of accident or if you feel unwell, seek medical advice immediately. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. Call a doctor immediately.

After skin contact

Wash off immediately with soap and water. Seek medical attention.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

After ingestion

Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Call a doctor immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam; Extinguishing powder; Water spray jet; Carbon dioxide

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO2); Carbon monoxide (CO); Nitrogen oxides (NOx)

5.3 Advice for firefighters

Cool endangered containers with water spray jet. Use self-contained breathing apparatus. Wear protective clothing. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Do not inhale vapours.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

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Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Ensure adequate ventilation.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Provide eye wash fountain in work area. Have emergency shower available. Do not inhale vapours.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place. Avoid cooling to under 0°C. Protect from direct sunlight.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Do not store together with foodstuffs.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Fatty acids, C18-unsatd.,	dimers, polymers with tall	-oil fatty acids and	68082-29-1	
	triethylenetetramine			500-191-5	
	dermal	Long term (chronic)	systemic	1.1	mg/kg/day
	inhalative	Long term (chronic)	systemic	3.9	mg/m³
2	benzyl alcohol			100-51-6	
				202-859-9	
	dermal	Long term (chronic)	systemic	8	mg/kg/day
	dermal	Short term (acut)	systemic	40	mg/kg/day
	inhalative	Long term (chronic)	systemic	22	mg/m³
	inhalative	Short term (acut)	systemic	110	mg/m³
3	Amines, polyethylenepoly	y-, triethylenetetramine fra	ction	90640-67-8	
				292-588-2	
	dermal	Long term (chronic)	systemic	0.57	mg/kg/day
	dermal	Long term (chronic)	local	28	μg/cm²
	inhalative	Long term (chronic)	systemic	1	mg/m³
	inhalative	Short term (acut)	systemic	5380	mg/m³

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DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Fatty acids, C18-unsatd., triethylenetetramine	dimers, polymers with tall	-oil fatty acids and	68082-29-1 500-191-5	
	oral	Long term (chronic)	systemic	0.56	mg/kg/day
	dermal	Long term (chronic)	systemic	0.56	mg/kg/day
	inhalative	Long term (chronic)	systemic	0.97	mg/m³
2	benzyl alcohol			100-51-6 202-859-9	
	oral	Long term (chronic)	systemic	4	mg/kg/day
	oral	Short term (acut)	systemic	20	mg/kg/day
	dermal	Long term (chronic)	systemic	4	mg/kg/day
	dermal	Long term (chronic)	systemic	20	mg/kg/day
	inhalative	Long term (chronic)	systemic	5.4	mg/m³
	inhalative	Short term (acut)	systemic	4	mg/m³
3	Amines, polyethylenepoly	y-, triethylenetetramine fra	ction	90640-67-8 292-588-2	
	oral	Long term (chronic)	systemic	0.41	mg/kg/day
	oral	Short term (acut)	systemic	20	mg/kg/day
	dermal	Long term (chronic)	systemic	0.25	mg/kg/day
	dermal	Short term (acut)	systemic	8	mg/kg/day
	dermal	Long term (chronic)	local	0.43	mg/cm²
	dermal	Short term (acut)	local	1	mg/cm²
	inhalative	Long term (chronic)	systemic	0.29	mg/m³
	inhalative	Short term (acut)	systemic	1600	mg/m³

PNEC values

No	Substance name		CAS / EC no)
-110	ecological compartment	Туре	Value	
1	Fatty acids, C18-unsatd., dimers, poly		68082-29-1	
	triethylenetetramine		500-191-5	
	water	fresh water	0.004	mg/L
	water	marine water	0	mg/L
	water	fresh water sediment	434.02	mg/kg dry weight
	water	marine water sediment	43.4	
	soil	-	86.78	mg/kg dry weight
	sewage treatment plant	-	3.84	mg/L
2	benzyl alcohol		100-51-6	
			202-859-9	
	water	fresh water	1	mg/L
	water	marine water	0.1	mg/L
	water	Aqua intermittent	2.3	mg/L
	water	fresh water sediment	5.27	mg/kg
	with reference to: dry weight			
	water	marine water sediment	0.527	mg/kg
	with reference to: dry weight			
	soil	-	0.456	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	39	mg/L
3	Amines, polyethylenepoly-, triethylene	etetramine fraction	90640-67-8 292-588-2	
	water	fresh water	190	μg/L
	water	marine water	38	μg/L
	water	Aqua intermittent	200	μg/L
	water	fresh water sediment	95.9	mg/kg dry

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			weight
water	marine water sediment	19.2	mg/kg
soil	-	19.1	mg/kg
sewage treatment plant	-	4.25	mg/L
secondary poisoning	-	0.18	mg/kg food

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Short term: filter apparatus, Filter A/P

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Inappropriate material nitrile rubber

Material thickness >= 0.4 mm
Breakthrough time 480 min

Other

Normal chemical work clothing

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Odour threshold

No data available

pH value

No data available

Boiling point / boiling rangeNo data available

Melting point / melting range

No data available

Decomposition point / decomposition range

No data available

Flash point No data available

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Auto-ignition temperature

No data available

Oxidising properties

No data available

Explosive properties

No data available

Flammability (solid, gas)

No data available

Lower flammability or explosive limits

No data available

Upper flammability or explosive limits

No data available

Vapour pressure

No data available

Vapour density

No data available

Evaporation rate

No data available

Relative density

No data available

DensityValue1.4 g/cm³Reference temperature20 °C

Solubility in water

Comments slightly soluble

Solubility(ies)

No data available

Part	Partition coefficient: n-octanol/water					
No	Substance name	CAS no.		EC no.		
1	benzyl alcohol	100-51-6		202-859-9		
log F	Pow		1.05			
Refe	erence temperature		20	°C		
•		ECHA				

Viscosity

No data available

9.2 Other information

Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

with 1907/2006/EC

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10.4 Conditions to avoid

None, if handled according to intended use.

10.5 Incompatible materials

Acids; Bases; Oxidizing agents

10.6 Hazardous decomposition products

Carbon monoxide and carbon dioxide; Nitrous oxides (NOx)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acu	Acute oral toxicity				
No	Product Name				
1	Seatec Epoxy Leichtspachtel Härter				
LD5	0	>	2000	mg/kg	
Spec	cies	rat			
Meth	nod	calculated			
Soul	rce	Manufacturer			

Acu	Acute dermal toxicity				
No	Product Name				
1	Seatec Epoxy Leichtspachtel Härter				
LD5	0		2000	mg/kg	
Spe	cies	rabbit			
Met	hod	calculation method			
Sou	rce	Manufacturer			

Acute inhalational toxicity				
No Product Name				
1 Seatec Epoxy Leichtspachtel Härter				
LC50	>	5	mg/l	
Duration of exposure		4	h	
State of aggregation	Dust/mist			
Species	rat			
Method	calculation method			
Source	Manufacturer			

Skin corrosion/irritation						
No	Substance name	CAS no.	EC no.			
1	benzyl alcohol	100-51-6	202-859-9			
Spe	cies	rabbit				
Meth	nod	OECD 404				
Sour	ce	ECHA				
Eval	uation	non-irritant				

Seri	Serious eye damage/irritation					
No	Substance name	CAS no.	EC no.			
1	benzyl alcohol	100-51-6	202-859-9			
Spe	cies	rabbit				
Metl	nod	OECD 405				
Sou	rce	ECHA				
Eval	uation	irritant				

ı	Respiratory or skin sensitisation
	No data available

Germ cell mutagenicity	
No data available	

Reproduction toxicity

with 1907/2006/EC

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NIA	data	ovoi	lah	1
INO	uala	avai	เลม	ıe

Car	Carcinogenicity						
No	Substance name	CAS no.	EC no.				
1	benzyl alcohol	100-51-6	202-859-9				
Source		ECHA					
Evaluation/classification		Based on available data, the class	sification criteria are not met.				

STOT - single exposure
No data available

STOT - repeated exposure

No data available

Aspiration hazard
No data available

SECTION 12: Ecological information

12.1 Toxicity

Tox	Toxicity to fish (acute)						
No	Substance name	CAS no.		EC no.			
1	benzyl alcohol	100-51-6		202-859-9			
LC5	0		460	mg/l			
Dura	ation of exposure		96	h			
Spe	cies	Pimephales promelas					
Method		EPA OPP 72-1					
Sou	rce	ECHA					

Toxicity to fish (chronic)

No data available

Toxi	Toxicity to Daphnia (acute)						
No	Substance name	CAS no.		EC no.			
1	benzyl alcohol	100-51-6		202-859-9			
EC50			230	mg/l			
Duration of exposure			48	h			
Spe	cies	Daphnia magna					
Method		OECD 202					
Soul	rce	ECHA					

Toxi	Toxicity to Daphnia (chronic)					
No	Substance name	CAS no.		EC no.		
1	benzyl alcohol	100-51-6		202-859-9		
NOE	EC		51	mg/l		
Dura	ation of exposure		21	day(s)		
Species		Daphnia magna				
Meth	nod	OECD 211				
Soul	rce	ECHA				

Tox	Toxicity to algae (acute)						
No	Substance name	CAS no.		EC no.			
1	benzyl alcohol	100-51-6		202-859-9			
EC5	50		500	mg/l			
Duration of exposure			72	h			
Species		Pseudokirchneriella subcapi	tata				
Met	hod	OECD 201					
Sou	rce	ECHA					

Tox	icity to algae (chronic)		
No	Substance name	CAS no.	EC no.
1	benzyl alcohol	100-51-6	202-859-9

with 1907/2006/EC

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NOEC	31072 mg/l
Duration of exposure	72
Species	Pseudokirchneriella subcapitata
Method	OECD 201
Source	ECDIN

Bacteria toxicity
No data available

12.2 Persistence and degradability

Biod	Biodegradability						
No	Substance name	CAS no.		EC no.			
1	benzyl alcohol	100-51-6		202-859-9			
Туре	e	BOD of the ThOD					
Value		92	- 96	%			
Dura	ation		14	day(s)			
Meth	nod	OECD 301 C					
Source		ECHA					
Eval	uation	readily biodegradable					

12.3 Bioaccumulative potential

Part	Partition coefficient: n-octanol/water						
No	Substance name	CAS no.		EC no.			
1	benzyl alcohol	100-51-6		202-859-9			
log F	Pow		1.05				
Refe	erence temperature		20	°C			
Soul	rce	ECHA					

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class 9
Classification code M6
Packing group III
Hazard identification no. 90
UN number UN3082

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Technical name Fatty acids, C18-unsatd., dimers, polymers with tall-oil fatty acids and

triethylenetetramine

Tunnel restriction code

with 1907/2006/EC

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Label 9

Environmentally hazardous Symbol "fish and tree"

substance mark

14.2 Transport IMDG

Class 9
Packing group III
UN number UN3082

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Technical name Environment Fatty acids, C18-unsatd., dimers, polymers with tall-oil fatty acids and

triethylenetetramine

EmS F-A, S-F Label 9

Marine pollutant mark Symbol "fish and tree"

14.3 Transport ICAO-TI / IATA

Class 9
Packing group III
UN number UN3082

Proper shipping name Environmentally hazardous substance, liquid, n.o.s.

Technical name Fatty acids, C18-unsatd., dimers, polymers with tall-oil fatty acids and

triethylenetetramine

Label

Environmentally hazardous

substance mark

Symbol "fish and tree"

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex

No 3

XVII.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances This product is subject to Part I of Annex I, risk category: E2

Other regulations

with 1907/2006/EC

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Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

000110110)	
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

Creation of the safety data sheet

UMCO GmbH

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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