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Article Print o Versio	date:	15X000 26.06.2019 1.21	Rex-Lith Revision date: 25.06.2019 Issue date: 25.06.2019	53361 EN Page 1 / 9	Seit 1892
SEC	TION 1: Id	lentification of t	he substance/mixture and of the	e company/undertaking	
1.1.	product id	dentifiers			
		. (manufacturer/su ne/designation	Rex-Lith	00, 153000, 154000, 155000	
1.2.	Relevant	identified uses of	the substance or mixture and uses	advised against	
	Relevant Polyester	identified uses: mastic			
		ised against: e for products whic	h come into contact with the food stu	ifs.	
1.3.	Details of	the supplier of the	e safety data sheet		
	Heinrich K An der Ro	u rer/supplier (önig & Co.KG senhelle 5 Viederdorfelden	•	-49 6101 5360 0 6101 5360 11	
	Dept. resp	oonsible for infor	mation:		
	Laboratory Only avail	/ able during office I	•	-49 6101 5360 71 08:00 to 16:00 - 12:30	
	E-mail (co	mpetent person)	SDB@heinri	ch-koenig.de	
1.4.	Emergend	cy telephone num	ber		
	Emergenc	y telephone numb		CONTACT (24-Hour-Number): GE 0)6132-84463	К

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Flam. Liq. 3 / H226 Flammable liquids Skin Irrit. 2 / H315 Skin corrosion/irritation Eye Irrit. 2 / H319 Serious eye damage/eye irritation Repr. 2 / H361d Reproductive toxicity STOT RE 1 / H372 STOT-repeated exposure

Flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Suspected of damaging the unborn child. Causes damage to organs through prolonged or repeated exposure.

2.2. Label elements

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

Hazard pictograms





Danger

Hazard statements

Procentionary state	ments
H372	Causes damage to organs through prolonged or repeated exposure.
H361d	Suspected of damaging the unborn child.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.

Precautionary statements

- Obtain special instructions before use. P201
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P210
- Keep container tightly closed. P233
- Use explosion-proof electrical equipment. P241
- Do not breathe vapour. P260
- Wash hands thoroughly after handling. P264
- P270 Do not eat, drink or smoke when using this product.
- Wear protective gloves and eye/face protection. P280



	(000 06.2019 1	Rex-Lith Revision date: 25.06.2019 Issue date: 25.06.2019	53361 EN Page 2 / 9	Seit 1892
P302 + P352	IF ON SI	KIN: Wash with plenty of soap and wa	ater.	
P303 + P361 + F	P353 IF ON SI	KIN (or hair): Take off immediately all	contaminated clothing. Rins	se skin with water [or shower].
P305 + P351 + F	P338 IF IN EY	ES: Rinse cautiously with water for s	everal minutes. Remove con	tact lenses, if present and
	easy to c	do. Continue rinsing.		
P308 + P313	IF expos	ed or concerned: Get medical advice	e/attention.	
P314	Get med	edical advice/attention if you feel unwell.		
P332 + P313	lf skin irr	rritation occurs: Get medical advice/attention.		
P337 + P313	If eye irri	ritation persists: Get medical advice/attention.		
P362 + P364	Take off	ff contaminated clothing and wash it before reuse.		
P370 + P378	In case of	of fire: Use extinguishing powder or sand to extinguish.		
P403 + P235	Store in	in a well-ventilated place. Keep cool.		
P405	Keep loo	ocked up.		
P501.2	Dispose	e of contents/container via the national/local hazardous waste disposal.		
Hazard compor	nents for label	ling		
	Styrene	-		
Supplemental H	Hazard informa	ation (EU)		

No further relevant information available.

2.3. Other hazards

No information available.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

2-Component filler Description

Classification according to Regulation (EC) No 1272/2008 [CLP]

EC No.	REACH No.	
CAS No.	Designation	Wt %
INDEX No.	classification // Remark	
202-851-5	01-2119457861-32-xxxx	
100-42-5	Styrene	10 < 20
601-026-00-0	Flam. Liq. 3 H226 / Repr. 2 H361d / Acute Tox. 4 H332 / STOT RE 1	
	H372 / Skin Irrit. 2 H315 / Eye Irrit. 2 H319	

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

Indication of any immediate medical attention and special treatment needed 4.3. First Aid, decontamination, treatment of symptoms.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Unsuitable extinguishing media

strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Further information

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

Styrene

INDEX No. 601-026-00-0 / EC No. 202-851-5 / CAS No. 100-42-5 TWA: 430 mg/m3; 100 ppm STEL: 1080 mg/m3; 250 ppm

Additional information

TWA : long-term occupational exposure limit value STEL : short-term occupational exposure limit value Ceiling : peak limitation

DNEL:

Styrene

INDEX No. 601-026-00-0 / EC No. 202-851-5 / CAS No. 100-42-5

DNEL short-term oral (acute), Workers: 306 mg/kg

DNEL long-term dermal (systemic), Workers: 406 mg/kg

DNEL acute inhalative (local), Workers: 289 mg/m³

DNEL acute inhalative (systemic), Workers: 289 mg/m³

DNEL long-term inhalative (systemic), Workers: 85 mg/m³

DNEL long-term oral (repeated), Consumer: 2,1 mg/kg

DNEL long-term dermal (systemic), Consumer: 343 mg/kg

DNEL acute inhalative (local), Consumer: 174,25 mg/m³

DNEL long-term inhalative (systemic), Consumer: 10,2 mg/m³

PNEC:

Styrene

INDEX No. 601-026-00-0 / EC No. 202-851-5 / CAS No. 100-42-5 PNEC aquatic, freshwater: 0,028 mg/l PNEC aquatic, marine water: 0,014 mg/l PNEC aquatic, intermittent release: 0,04 mg/l PNEC sediment, freshwater: 0,614 mg/kg PNEC sediment, marine water: 0,307 mg/kg PNEC, soil: 0,2 mg/kg PNEC sewage treatment plant (STP): 5 mg/l

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Personal protection equipment

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection

For prolonged or repeated handling the following glove material must be used: Butyl caoutchouc (butyl rubber)

Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Wear closely fitting protective glasses in case of splashes.

Body protection

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls



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Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1.	Information on basic physical and chemical properties		
	Appearance:		
	Physical state: Colour:	solid refer to label	
	Odour:	characteristic	
	Odour threshold:	not determined	
	pH at 20 °C:	N.A.	
	Melting point/freezing point:	n.a.	
	Initial boiling point and boiling range:	not determined 34 °C	
	Flash point:	Method: calculated.	
	Evaporation rate:	not determined	
	flammability		
	Burning time (s):	not determined	
	Upper/lower flammability or explosive limits:		
	Lower explosion limit:	not determined	
	Upper explosion limit:	not determined	
	Vapour pressure at 20 °C:	not determined	
	Vapour density:	not determined	
	Relative density: Density at 20 °C:	1,68 g/cm ³	
		Method: calculated.	
	Solubility(ies):		
	Water solubility (g/L) at 20 °C:	insoluble	
	Partition coefficient: n-octanol/water:	see section 12	
	Auto-ignition temperature:	not determined	
	Decomposition temperature:	not determined	
	Viscosity at 40 °C:	> 20,5 mm²/s	
	Explosive properties:	not determined	
	Oxidising properties:	not determined	
9.2.	Other information		
	Solid content (%):	100,00 Wt %	
	solvent content:		
	Organic solvents: Water:	0 Wt %	
-		0 Wt %	
SEC	TION 10: Stability and reactivity		

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials not applicable



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10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

11.1. Information on toxicological effects

Acute toxicity

Styrene

oral, LD50, Rat: 2650 mg/kg inhalative (vapours), LC50, Rat: 12 mg/l (4 h) Harmful if inhaled.

Skin corrosion/irritation; Serious eye damage/eye irritation

Causes skin irritation.

Causes serious eye irritation.

Styrene

Skin (4 h)

Prolonged or repeated contact with the preparation can lead to irritations of mucous membranes and of skin such as redness, formation of blebs, dermatitis, etc..; Irritating to skin. eyes

Irritation

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Suspected of damaging the unborn child.

Styrene

Reproductive toxicity Suspected of damaging the unborn child.

STOT-single exposure; STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Styrene

Specific target organ toxicity (repeated exposure)

Causes damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

Aspiration hazard

Based on available data, the classification criteria are not met.

Practical experience/human evidence

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP] Do not allow to enter into surface water or drains.

12.1. Toxicity

Styrene Fish toxicity, LC50, Lepomis macrochirus (Bluegill): 25 mg/l (96 h) Daphnia toxicity, EC50, Daphnia magna (Big water flea): 4,7 mg/l (48 h)



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Fish toxicity, LC50, Pimephales promelas (fathead minnow): 32 mg/l (96 h) Algae toxicity, IC50:, Pseudokirchneriella subcapitata: 0,72 mg/l (96 h) Based on available data the classification criteria are not met.

12.2. Persistence and degradability

Styrene

Biodegradation, OECD 301D/ EEC 92/69/V, C.4-E: 80 % (20 D) Readily biodegradable (according to OECD criteria).

12.3. Bioaccumulative potential

Styrene

Partition coefficient: n-octanol/water: 2,95 - 3,16

Method: OECD 107

Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

12.4. Mobility in soil

Styrene

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080111* Waste paint and varnish containing organic solvents or other dangerous substances *Hazardous waste according to Directive 2008/98/EC (waste framework directive).

Appropriate disposal / Package

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1. I	UN n	umber
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		UN 1263
	UN proper shipping name Land transport (ADR/RID): Sea transport (IMDG): Air transport (ICAO-TI / IATA-DGR):	Paint PAINT Paint
14.3.	Transport hazard class(es)	3
14.4.	Packing group	III
14.5.	Environmental hazards	
	Land transport (ADR/RID)	No further relevant information available.
	Marine pollutant	No further relevant information available.
116	Special propositions for user	

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage. Advices on safe handling: see parts 6 - 8

Further information



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	nsport (ADR/RID) striction code	D/E						
	sport (IMDG)							
EmS-No.		F-E, S-E						
-	-	to Annex II of Marpol and the IBC Code	9					
not appli	cable							
SECTION 15: Regulatory information								
5.1. Safety, health and environmental regulations/legislation specific for the substance or mixture EU legislation								
	Directive 2010/75/EU on industrial emissions VOC-value (in g/L): 0,000							
National	regulations							
Restrictions of occupation Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).								
	al Safety Assessmer following substance	nt s of this mixture a chemical safety ass	essment has been carried	out:				
EC No.	Desigr	nation	REA	CH No.				
CAS No. 202-851- 100-42-5	5 Styrene	9	01-21	119457861-32-xxxx				
SECTION 16: Other information								
SECTION 16.	Other information	n						
Full text Flam. Liq Repr. 2 / Acute To	of classification in 1. 3 / H226		affected, if known) thr repeated exposure (s is conclusively prover	ng the unborn child. gans (or state all organs ough prolonged or tate route of exposure if it o that no other routes of				
Full text Flam. Lic Repr. 2 / Acute To STOT RE	of classification in ₁ . 3 / H226 H361d x. 4 / H332 E 1 / H372	section 3 Flammable liquids Reproductive toxicity Acute toxicity (inhalative) STOT-repeated exposure	Suspected of damagi Harmful if inhaled. Causes damage to or affected, if known) thr repeated exposure (s is conclusively prover exposure cause the h	ng the unborn child. gans (or state all organs rough prolonged or tate route of exposure if it that no other routes of azard).				
Full text Flam. Lic Repr. 2 / Acute To STOT RE	of classification in ₁ . 3 / H226 H361d x. 4 / H332 = 1 / H372 2 / H315	section 3 Flammable liquids Reproductive toxicity Acute toxicity (inhalative) STOT-repeated exposure Skin corrosion/irritation	Suspected of damagi Harmful if inhaled. Causes damage to or affected, if known) thr repeated exposure (s is conclusively prover exposure cause the h Causes skin irritation.	ng the unborn child. gans (or state all organs rough prolonged or tate route of exposure if it that no other routes of azard).				
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Full text Flam. Liq Repr. 2 / Acute To STOT RE Skin Irrit. Eye Irrit. Classific	of classification in 1. 3 / H226 H361d x. 4 / H332 E 1 / H372 2 / H315 2 / H319 cation procedure	section 3 Flammable liquids Reproductive toxicity Acute toxicity (inhalative) STOT-repeated exposure Skin corrosion/irritation	Suspected of damagi Harmful if inhaled. Causes damage to or affected, if known) thr repeated exposure (s is conclusively prover exposure cause the h Causes skin irritation. Causes serious eye in	ng the unborn child. gans (or state all organs ough prolonged or tate route of exposure if it n that no other routes of azard). rritation.				
Full text Flam. Liq Repr. 2 / Acute To STOT RE SKin Irrit. Eye Irrit. Classifica Flam. Liq	of classification in 1. 3 / H226 H361d x. 4 / H332 E 1 / H372 2 / H315 2 / H319 cation procedure ation for mixtures and 1. 3	section 3 Flammable liquids Reproductive toxicity Acute toxicity (inhalative) STOT-repeated exposure Skin corrosion/irritation Serious eye damage/eye irritation d used evaluation method according to reg Flammable liquids	Suspected of damagi Harmful if inhaled. Causes damage to or affected, if known) thr repeated exposure (s is conclusively prover exposure cause the h Causes skin irritation. Causes serious eye in gulation (EC) No 1272/2008 On basis of test data.	ng the unborn child. gans (or state all organs ough prolonged or tate route of exposure if it t that no other routes of azard). rritation. [CLP]				
Full text Flam. Lic Repr. 2 / Acute To STOT RE SKin Irrit. Eye Irrit. Classifica Flam. Lic Skin Irrit.	of classification in 1. 3 / H226 H361d x. 4 / H332 E 1 / H372 2 / H315 2 / H319 cation procedure ation for mixtures and 1. 3 2	section 3 Flammable liquids Reproductive toxicity Acute toxicity (inhalative) STOT-repeated exposure Skin corrosion/irritation Serious eye damage/eye irritation d used evaluation method according to reg Flammable liquids Skin corrosion/irritation	Suspected of damagi Harmful if inhaled. Causes damage to or affected, if known) thr repeated exposure (s is conclusively prover exposure cause the h Causes skin irritation. Causes serious eye in gulation (EC) No 1272/2008 On basis of test data. Calculation method.	ng the unborn child. gans (or state all organs ough prolonged or tate route of exposure if it t that no other routes of azard). rritation. [CLP]				
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IBC Code		ional Code for the Construction and I		-			
ICAO-TI		International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air					
IMDG Code	e Internati	International Maritime Code for Dangerous Goods					
ISO	Internati	International Organization for Standardization					
LC	Lethal C	Lethal Concentration					
LD	Lethal D	Lethal Dose					
MARPOL	Maritime	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships					
OECD	Organis	Organisation for Economic Cooperation and Development					
PBT	persiste	persistent, bioaccumulative, toxic					
PNEC	Predicte	Predicted No Effect Concentration					
REACH	Registra	Registration, Evaluation, Authorisation and Restriction of Chemicals					
RID	Regulat	Regulations concerning the International Carriage of Dangerous Goods by Rail					
UN	United N	United Nations					
VOC	Volatile	Organic Compounds					
vPvB	very per	very persistent and very bioaccumulative					

Further information

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

Polyester resin multi-component systems

For polyester resin multi-component systems (base + hardener) the UN number 3269 has to be used according to GGVS/ADR and IMDG code.

* Data changed compared with the previous version