

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

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

1.1. Product identifier

CREATON - Special Adhesive

SKL Substance / MixtureMixture

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

Specific use of the mixtureAdhesive

Descriptors of use

SU 22Commercial uses: Public sector (administration, education, entertainment, services, crafts)

Non-recommended use of the mixtureThe product must not be used in any way other than that specified in paragraph 1.

listed, can be used.

1.3. Details of the supplier providing the safety data sheet Supplier

Name or trade name

Creaton AG

AddressDillinger Straße 60 , 86637 Wertingen Germany

Phone0049 (0)0827286 0

E-mail address of a competent person responsible for the safety data sheet

NameJindřich Vrbenský

E-mail

J.Vrbensky@email.cz

1.4. Emergency number

Poison Information Centre Erfurt, Nordhäuser Straße 74, 99089 Erfurt, Germany, Phone: +49 361 730 730.

Poison Information Centre, Mathildenstr. 1, 79106 Freiburg, emergency phone +49 761 19 240. Poison

Information Centre of the Federal States of Rhineland-Palatinate and Hesse, Langenbeckstraße 1, Building 601, 55131 Mainz, phone: +49 613 119 240.

Poison Information Centre Munich, Ismaninger Str. 22, 81675 Munich, phone: +49 89 19 240. Poison

Information Centre Berlin, Charité-Universitätsmedizin, Campus Benjamin Franklin, Hindenburgdamm 30, 12203 Berlin, phone: +49 30 19240.

Poison Information Centre-North, Tel: +49 551 19 240.

Poison Information Centre, Bonn Poison Control Centre, tel.

SECTION 2: Potential hazards

2.1. Classification of the substance or mixture

Classification of the mixture according to Regulation (EC) No 1272/2008

The mixture is classified as hazardous.

Skin Irrit. 2, H315

Skin Sens. 1, H317

Eye Irrit. 2, H319

Resp. Sens. 1,

H334 STOT SE 3,

H335 Carc. 2, H351

STOT RE 2, H373

The full text of all classifications and H-phrases is given in chapter 16.

The most important harmful physico-chemical effects

Not classified.

The most important adverse effects on human health and the environment

Causes skin irritation. May cause allergic skin reactions. Causes severe eye irritation. May cause allergy, asthma-like symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

2.2. Labelling elements Hazard pictogram



Signal word
Danger

Hazardous substances

Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate Methylenediphenyl diisocyanate, modified 4,4'-Methylenediphenyl diisocyanate Dibutyltin dilaurate

Hazard statements

H315 Causes skin irritation.
H317 May cause allergic skin reactions.
H319 Causes severe eye irritation.
H334 May cause allergy, asthma-like symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.
H351 Suspected to cause cancer.
H373 May cause damage to organs through prolonged or repeated exposure.

Safety instructions

P101 If medical advice is needed, have the container or label at hand. P102 Stay out of reach of children.
P201 Obtain special instructions before use.
P260 Do not breathe vapour/aerosol.
P280 Wear protective gloves/protective clothing/eye protection/face protection. P284 Wear respiratory protection.
P302+P352 If in contact with skin: Wash with plenty of soap and water.
P304+P340 If inhaled: Remove the person to fresh air and ensure unobstructed breathing.
P305+P351+P338 If contact with eyes occurs: Rinse cautiously with water for several minutes. Remove any contact lenses if possible. Continue rinsing.
P308+P313 BE If exposed or if affected: Seek medical advice/attention.

Further information

EUH 204 Contains isocyanates. May cause allergic reactions. **Requirements for child-resistant closures and tactile hazard warnings** Packaging must have a tactile hazard warning.

2.3. Other hazards

The mixture does not contain any substances that do not fulfil the criteria for PBT or vPvB according to Annex XIII of Regulation (EC) No 1907/2006 (REACH) of the European Parliament and of the Council as amended.

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the
European Parliament as amended.

CREATON - Special adhesive SKL

Creation date 26 July 2018
Revised on 19 September 2019 Version number 2.0

SECTION 3: Composition/Information on ingredients

3.2. Mixtures

Chemical characteristic

Mixture of substances listed below.

Mixture contains the following hazardous substances and substances with specified maximum permissible concentrations in the working air

Identification number n	Substance name	Content in weight percent	Classification according to Regulation (EC) No 1272/2008	Note
EC: 905-806-4 Registration number : 01-2119457015-45-XXXX	Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl) phenyl isocyanate	5-<15	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373	
CAS: 25686-28-6 EC: 500-040-3 Registration number : 01-2119457013-49-XXXX	Methylene diphenyl diisocyanate, modified	5-<15	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373	
Index: 615-005-00-9 CAS: 101-68-8 EC: 202-966-0 Registration number : 01-2119457014-47-XXXX	4,4'-Methylenediphenyl diisocyanate	5-10	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 5 % Resp. Sens. 1, H334: C ≥ 0.1 % STOT SE 3, H335: C ≥ 5 % Skin Irrit. 2, H315: C ≥ 5 %	1, 2, 3, 4
Index: 607-194-00-1 CAS: 108-32-7 EC: 203-572-1 Registration number : 01-2119537232-48-XXXX	Propylene carbonate	1-<5	Eye Irrit. 2, H319	
Index: 050-030-00-3 CAS: 77-58-7 EC: 201-039-8 Registration number : 01-2119496068-27-XXXX	Dibutyltin dilaurate	0,1-<0,25	Skin Corr. 1A, H314 Skin Sens. 1, H317 Muta. 2, H341 Repr. 1B, H360FD STOT SE 1, H370 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
CAS: 112926-00-8 EC: 231-545-4	Silicon dioxide			3

Notes

- Note C: Some organic substances may be marketed either in a well-defined isomeric form or as a mixture of several isomers. In this case, the supplier shall indicate on the label whether the substance is a specific isomer or a mixture of isomers.

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

- 2 Note 2: The concentrations of isocyanates given are to be understood as percentages by weight of the free monomer, based on the total weight of the mixture.
- 3 Substance for which there are exposure limits set by society for the working environment.
- 4 The use of the substance is restricted in Annex XVII of REACH The full text of all classifications and H-phrases is given in Chapter 16.

SECTION 4: First aid measures

4.1. Description of the first aid measures

Pay attention to your own safety. If health problems occur or in case of doubt, inform the doctor and give him information from this safety data sheet. In case of unconsciousness, place the victim in a stabilised lateral position with the head slightly tilted and ensure patency of the airway, do not induce vomiting in any way. If the patient vomits, make sure that the vomit is not swallowed. In life-threatening conditions, first attempt to resuscitate the victim and secure medical help. In case of respiratory arrest - immediately initiate artificial respiration. In case of cardiac arrest - immediately perform indirect cardiac massage.

Inhalation

Remove person from danger zone. Supply fresh air to the person and consult a doctor depending on the symptoms. If unconscious, place in recovery position and seek medical advice. Respiratory arrest - mechanical ventilation necessary.

In case of contact with the skin

Carefully wipe off product residues with a soft, dry cloth. Wash thoroughly with plenty of water and soap, remove contaminated, soaked clothing immediately, in case of skin irritation (redness etc.), consult a doctor.

In case of contact with the eyes

Immediately rinse the eyes with a stream of running water, open the eyelids (with force if necessary); if the affected person has contact lenses, remove them immediately. Rinse for at least 10 minutes. Seek medical treatment, preferably from a specialist.

In case of ingestion

Ensure medical treatment. For persons without symptoms, contact the Toxicological Information Centre to decide on the need for medical treatment, communicate the information on the substances or the composition of the preparation from the original packaging or from the safety data sheet of the substance or mixture.

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

Inhalation

Irritation of the mucous membranes of the nose and throat. Cough. Headache. Influence on the central nervous system. Asthmatic symptoms. Shortness of breath.

In case of contact with the skin

Dermatitis (inflammation of the skin). Drying of the skin. Allergic contact eczema. Skin discolouration. In case of sensitisation, even concentrations below the limit value may result in signs of asthma. **In case of contact with eyes**

Causes severe eye irritation.

In case of ingestion

Irritation, malaise.

4.3. Indications for immediate medical help or special treatment

Symptomatic treatment. In case of lung irritation, initial treatment with dexametasone metered dose aerosol. Pulmonary oedema prophylaxis. Medical supervision required as delayed onset of action possible. **Other information**

In certain cases, the symptoms of poisoning may only appear after a longer period of time / after several hours.

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

SECTION 5: Fire-fighting measures

5.1. Extinguishing agent

Suitable extinguishing agents

Carbon dioxide CO₂, extinguishing powder, water spray, foam.

Unsuitable extinguishing agents

Full jet of water.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon oxides, nitrogen oxides, isocyanates, hydrocyanic acid (hydrogen cyanide) and other toxic gases may be produced. Inhalation of hazardous decomposing (pyrolysing) products may cause serious damage to health. Risk of bursting when heated.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and full protective suit. Self-contained breathing apparatus (SCBA) with a chemical protective suit if (close) personal contact. Depending on the size of the fire. Do not allow contaminated extinguishing agent to reach sewage system, surface water and ground water. Cool endangered containers with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures Provide adequate ventilation. Avoid contact with eyes and skin and inhalation. Observe slip hazard, if applicable. Use personal protective equipment. Follow the instructions given in sections 7 and 8.

6.2. Environmental protection measures

Contain leakage of larger quantities. Eliminate leakage if safe to do so. Avoid penetration into surface water, groundwater and soil. Do not allow to enter sewage system. In case of accidental discharge into drains, inform competent authorities.

6.3. Methods and material for retention and cleaning

Cover a spill with a suitable (non-combustible) absorbent material (sand, diatomaceous earth, soil, sawdust and other suitable absorbent materials) and dispose of it in accordance with section 13. Leave in unsealed container for a few days until no reaction occurs. Keep moist. CO₂ formation in closed containers causes pressure to build up. In case of leakage of large quantities of the product, inform the fire brigade and other competent bodies. After removing the product, wash contaminated area with plenty of water. Do not use solvents.

6.4. Reference to other sections

See sections 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Protective measures for safe handling

Ensure good room ventilation. Avoid inhalation of vapours. If necessary, take measures at the workplace or at the processing machines. Avoid contact with eyes and skin. Do not handle products of this type if you suffer from allergies, asthma or chronic respiratory diseases. Do not eat, drink, smoke or store food in the work area. Observe the information on the label and the instructions for use. Use working procedures according to the operating instructions. Apply the general hygiene measures for handling chemicals. Wash hands before breaks and at the end of work. Keep away from food, drink and animal feed. Remove contaminated clothing and protective equipment before entering areas where food is consumed.

7.2. Conditions for safe storage taking into account incompatibilities

Store out of reach of unauthorised persons. Do not store product in passageways and stairways. Store product only in original packaging and closed. Protect from sunlight and temperatures above 50°C. Store only at temperatures below 15°C. Store in a dry place.

Storage class

10 - Other flammable liquids (except group LGK 3 A or 3 B)

Content 310 ml/ 470 g

Packaging type Cartridge

7.3. Specific end uses

Adhesive.

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the
European Parliament as amended.

CREATON - Special adhesive SKL

Creation date 26 July 2018
Revised on 19 September 2019 Version number 2.0

SECTION 8: Exposure controls/personal protective equipment

8.1. Parameters to be monitored

The mixture contains substances for which exposure limit values for the working environment are specified.

Germany

Substance name (component)	Type	Exposure time	Value	Note	Source
4,4'-Methylene diphenyl diisocyanate (CAS: 101-68-8)	AGW	8 hours	0.05 mg/m ³	Inhalable fraction, Danger of skin absorption, Respirable aerosols and vapours, Senz	DEU
	AGW	15 minutes	0.05 mg/m ³	Inhalable fraction, Danger of skin absorption, Respirable aerosols and vapours, Senz	
	MAK	8 hours	0.05 mg/m ³	Inhalable fraction, Danger of skin absorption, Respirable aerosols and vapours, The instantaneous value of 0.1 mg/m ³ should not be exceeded., Senz	
	MAK	15 minutes	0.05 mg/m ³	Inhalable fraction, Danger of skin absorption, Respirable aerosols and vapours, The instantaneous value of 0.1 mg/m ³ should not be exceeded., Senz	
	AGW	15 minutes	0.1 mg/m ³	Inhalable fraction, Risk of skin absorption, Upper limit value, Respirable aerosols and vapours, Senz	
	AGW	8 hours	0.005 ppm	Inhalable fraction, Danger of skin absorption, Respirable aerosols and vapours, Senz	
	AGW	15 minutes	0.005 ppm	Inhalable fraction, Danger of skin absorption, Respirable aerosols and vapours, Senz	
	AGW	15 minutes	0.01 ppm	Inhalable fraction, risk of skin absorption, upper limit value, Senz	
Silicon dioxide (CAS: 112926-00-8)	AGW	8 hours	4 mg/m ³	inhalable fraction	DEU
	MAK	8 hours	4 mg/m ³	inhalable fraction	

DNEL

4,4'-Methylenediphenyl diisocyanate

Worker / Consumer	Way of exposure	Value	Effect	Valuation
Consumer	Dermal	25 mg/kg body weight /day	Acute systematic effects	
Consumer	Inhalation	0.05 mg/m ³	Acute systematic effects	
Consumer	Oral	20 mg/kg body weight /day	Acute systematic effects	
Consumer	Dermal	17.2 mg/cm ²	Acute local effects	

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the
European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

4,4'-Methylenediphenyl diisocyanate

Worker / Consumer	Way of exposure	Value	Effect	Valuation
Consumer	Inhalation	0.05 mg/m ³	Acute local effects	
Consumer	Inhalation	0.025 mg/m ³	Chronic systemic effects	
Consumer	Inhalation	0.025 mg/m ³	Chronic local effects	
Workers	Dermal	50 mg/kg body weight /day	Acute systematic effects	
Workers	Inhalation	0.01 mg/m ³	Acute systematic effects	
Workers	Dermal	28.7 mg/cm ²	Acute local effects	
Workers	Inhalation	0.01 mg/m ³	Acute local effects	
Workers	Inhalation	0.05 mg/m ³	Chronic systemic effects	
Workers	Inhalation	0.05 mg/m ³	Chronic local effects	

Dibutyltin dilaurate

Worker / Consumer	Way of exposure	Value	Effect	Valuation
Consumer	Dermal	0.5 mg/kg body weight /day	Acute systematic effects	
Consumer	Inhalation	0.02 mg/m ³	Acute systematic effects	
Consumer	Oral	0.01 mg/kg body weight /day	Acute systematic effects	
Consumer	Dermal	0.08 mg/kg body weight /day	Chronic systemic effects	
Consumer	Inhalation	0.003 mg/m ³	Chronic systemic effects	
Consumer	Oral	0.002 mg/kg body weight /day	Chronic systemic effects	
Workers	Dermal	1 mg/kg body weight /day	Acute systematic effects	
Workers	Inhalation	0.07 mg/m ³	Acute systematic effects	
Workers	Dermal	0.2 mg/kg body weight /day	Chronic systemic effects	
Workers	Inhalation	0.01 mg/m ³	Chronic systemic effects	

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the
European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

Propylene carbonate

Worker / Consumer	Way of exposure	Value	Effect	Valuation
Consumer	Oral	25 mg/kg	Chronic systemic effects	
Consumer	Dermal	25 mg/kg	Chronic systemic effects	
Consumer	Inhalation	10 mg/m ³	Chronic local effects	
Consumer	Inhalation	43.5 mg/m ³	Chronic systemic effects	
Workers	Inhalation	176 mg/m ³	Chronic systemic effects	
Workers	Dermal	50 mg/kg	Chronic systemic effects	
Workers	Inhalation	20 mg/m ³	Chronic local effects	

PNEC

4,4'-Methylenediphenyl diisocyanate

Way of exposure	Value	Valuation
Drinking water	1 mg/l	
Seawater	0.1 mg/l	
Soil (agricultural)	1 mg/kg dry matter	
Microorganisms in sewage treatment plant	1 mg/l	
Water (temporary runaway)	10 mg/l	

Dibutyltin dilaurate

Way of exposure	Value	Valuation
Freshwater sediments	0.05 mg/kg	
Freshwater environment	0.000463 mg/l	
Seawater	0.0000463 mg/l	
Sea sediments	0.005 mg/kg	

Propylene carbonate

Way of exposure	Value	Valuation
Water (temporary runaway)	9 mg/l	
Seawater	0.09 mg/l	
Sea sediments	0.083 mg/l	
Soil (agricultural)	0.81 mg/l	
Drinking water	0.9 mg/l	
Freshwater sediments	0.83 mg/l	
Microorganisms in sewage treatment plant	7400 mg/l	

Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate

Way of exposure	Value	Valuation
Drinking water	1 mg/l	
Seawater	0.1 mg/l	
Soil (agricultural)	1 mg/kg Dry soil	
Microorganisms in sewage treatment plant	1 mg/l	

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

8.2. Exposure controls and monitoring

Observe the usual health protection measures and especially good ventilation. This can only be achieved by local exhaust ventilation or effective complete ventilation. If it is not possible to comply with the occupational exposure limits for hazardous substances in this way, you must use suitable respiratory protection. Do not eat, drink or smoke while working. Wash hands thoroughly with soap and water after work and before breaks to eat and rest.

Eye / face protection

Safety goggles close tightly with side shields (EN 166).

Skin protection

Protection of the hand: Chemical-resistant protective gloves made of nitrile. Recommended: Minimum layer thickness ≥ 0.35 mm, permeation time (breakthrough time) ≥ 480 min (EN 374). The determined breakthrough times according to EN

374 Part 3 have not been carried out under practical conditions. A maximum wearing time corresponding to 50% of the breakthrough time is recommended. Hand protection cream recommended.

Further protection: Protective work clothing. (e.g. safety shoes EN ISO 20345, long-sleeved work clothes). If the skin is contaminated, rinse thoroughly.

Breathing protection

Not required in normal cases. If the occupational exposure limit value (AGW, Germany) or MAK (Switzerland, Austria) is exceeded. Filter A2 P2 (EN 14387), identification colour brown, white. Observe wearing time limits for respiratory protective equipment.

Thermal hazards

Not applicable.

Limitation and monitoring of environmental exposure

Observe the usual environmental protection measures, see point 6.2.

Other information

Additional information on hand protection - No test has been carried out. For mixtures, the selection was made to the best of our knowledge and based on the information provided by the ingredients. For substances, the selection was derived from the glove manufacturer's information. Final selection of glove material must be made with consideration of breakthrough times, permeation rates and degradation. The selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. In the case of mixtures, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use. The exact breakthrough time of the glove material must be obtained from the manufacturer of the protective gloves and must be observed.

SECTION 9: Physical and chemical properties

9.1. Information on the basic physical and chemical properties

Appearance Paste

State Liquid at 20°C

Colour Each according to specification

Odour characteristic

Odour threshold the information is not available

pH value the indication is not available

Melting point/freezing point the information is not available

Initial boiling point and boiling range the information is not available

Flash point 111 °C

Evaporation rate the data is not available

Flammability (solid, gaseous) the information is not available

Upper/lower flammability or explosion limits

Flammability limits the information is not available

Explosion limits data is not available Vapour pressure data is not available

Vapour tightness data is not available

Relative density data not available Solubility (ies)

Insoluble in water

Fat solubility the data is not available Partition coefficient: n-octanol/water the data is not available

Auto-ignition temperature the specification is not available

Decomposition temperature the data is not available

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the
European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

Viscosity the information is not available

Explosive properties The product has no explosive properties.

Oxidising properties No

9.2. Other information

Density 1.54 g/cm³ at 20 °C

Flame-out temperature the specification is not available

Content of organic solvents (VOC) 0 %.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with water.

10.2. Chemical stability

Stable when stored and handled properly.

10.3. Possibility of hazardous reactions

Exothermic reaction possible with: Alcohols, amines, bases, acid, water, carbon dioxide. CO₂ formation in closed containers creates pressure. Increase in pressure leads to danger of bursting.

10.4. Conditions to avoid

See also section 7. Protect from moisture. Polymerisation possible due to intense heat.

10.5. Incompatible materials

See also section 7. acids, bases, amines, alcohols, water.

10.6. Hazardous decomposition products

See also section 5.2. No decomposition when used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

No toxicological information is available for the mixture. For possible further information on health effects see section 5.2.

Acute toxicity

Based on available information, the criteria for classification are not met. 4,4'-

Methylenediphenyl diisocyanate

Way of exposure	Parameter	Method	Value	Exposure time	Art	Gender	Valuation	Source
Oral	LD ₅₀		>2000 mg/kg		Rat			
Dermal	LD ₅₀	OECD 402	>9400 mg/kg		Rabbit			
Inhalation	LC ₅₀	OECD 403	0.368 mg/l	4 hrs.	Rat			
Oral	LD ₅₀		>2000 mg/kg		Rat			ES 440/2008 B1
Inhalation	LC ₅₀	OECD 403	0.368 mg/l	4 hrs.	Rat			Aerosol
Inhalation (aerosols)	ATE		1.5 mg/l	4 hrs.			Expert opinion	

CREATON - Special adhesive SKL

Way of exposure	Parameter	Method	Value	Exposure time	Art	Gender	Valuation	Source
	ATE		>20 mg/l	4 hrs.			Value calculation	

Dibutyltin dilaurate

Way of exposure	Parameter	Method	Value	Exposure time	Art	Gender	Valuation	Source
Oral	LD ₅₀	OECD 401	2071 mg/kg		Rat			
Dermal	LD ₅₀	OECD 402	>2000 mg/kg		Rat			

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the
European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

Propylene carbonate

Way of exposure	Parameter	Method	Value	Exposure time	Art	Gender ch	Valuation	Source
Oral	LD ₅₀	OECD 401	>5000 mg/kg		Rat			
Dermal	LD ₅₀	OECD 402	>2000 mg/kg		Rabbit			

Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate

Way of exposure	Parameter	Method	Value	Exposure time	Art	Gender ch	Valuation	Source
Oral	LD ₅₀		>10000 mg/kg		Rat			
Dermal	LD ₅₀		>9400 mg/kg		Rabbit			
Inhalation (dust/mist)	LC ₅₀		0.49 mg/l	4 hrs.	Rat			

Silicon dioxide

Way of exposure	Parameter	Method	Value	Exposure time	Art	Gender ch	Valuation	Source
Oral	LD ₅₀	OECD 423	>5000 mg/kg		Rat			

Corrosive/irritant effect on the skin

Causes skin irritation.

4,4'-Methylenediphenyl diisocyanate

Way of exposure	Result	Method	Exposure time	Art	Valuation	Source
	Irritant	OECD 404		Rabbit	Analogue access	Skin Irrit. 2

Dibutyltin dilaurate

Way of exposure	Result	Method	Exposure time	Art	Valuation	Source
	Corrosive			Rat		

Propylene carbonate

Way of exposure	Result	Method	Exposure time	Art	Valuation	Source
Oral	Non-irritant	OECD 404		Rabbit		

Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate

Way of exposure	Result	Method	Exposure time	Art	Valuation	Source
Dermal	Irritant	OECD 404		Rabbit		

Silicon dioxide

Way of exposure	Result	Method	Exposure time	Art	Valuation	Source
	Non-irritant	OECD 404		Rabbit		

Serious eye damage/irritation

Causes severe eye irritation. 4,4'-

Methylenediphenyl diisocyanate

Way of exposure	Result	Method	Exposure time	Art	Valuation
Eye	Non-irritant	OECD 405		Rabbit	Analogue access

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the
European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

Dibutyltin dilaurate

Way of exposure	Result	Method	Exposure time	Art	Valuation
Eye	Severe eye damage	OECD 405		Rabbit	

Propylene carbonate

Way of exposure	Result	Method	Exposure time	Art	Valuation
Eye	Irritant	OECD 405		Rabbit	

Silicon dioxide

Way of exposure	Result	Method	Exposure time	Art	Valuation
Eye	Non-irritant	OECD 405		Rabbit	

Sensitisation of the respiratory tract/skin

May cause allergic skin reactions. May cause allergy, asthma-like symptoms or breathing difficulties if inhaled.

4,4'-Methylenediphenyl diisocyanate

Way of exposure	Result	Method	Exposure time	Art	Gender	Valuation
Dermal	Negative	OECD 406		Guinea pig en		Analogue access
Inhalation	Sensitising			Guinea pig en		
Dermal	Sensitising	OECD 429		Mouse		

Dibutyltin dilaurate

Way of exposure	Result	Method	Exposure time	Art	Gender	Valuation
Skin	Sensitising	OECD 406		Guinea pig (Cavia aperea f. porcellus)		

Propylene carbonate

Way of exposure	Result	Method	Exposure time	Art	Gender	Valuation
Dermal	Trigger sensitisation			Man		

Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate

Way of exposure	Result	Method	Exposure time	Art	Gender	Valuation
Dermal	Sensitising	OECD 406		Guinea pig en		

Germ cell mutagenicity

Based on available information, the criteria for classification are not met. 4,4'-

Methylenediphenyl diisocyanate

Result	Method	Exposure time	Specific target organ	Art	Gender	Valuation	Source
Negative	OECD 471			Bacteria (Salmonella typhimurium)		Analogue access	

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the
European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

4,4'-Methylenediphenyl diisocyanate

Result	Method	Exposure time	Specific target organ	Art	Gender	Valuation	Source
Negative	OECD 474			Rat			
Negative	OECD 489			Rat			

Dibutyltin dilaurate

Result	Method	Exposure time	Specific target organ	Art	Gender	Valuation	Source
Mutagen							Muta.2

Propylene carbonate

Result	Method	Exposure time	Specific target organ	Art	Gender	Valuation	Source
Negative	OECD 471						
Negative	OECD 474						
Negative	OECD 482						

Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate

Result	Method	Exposure time	Specific target organ	Art	Gender	Valuation	Source
Negative	EU B.13/14			Salmonella typhimurium			
Negative	OECD 474			Rat			

Silicon dioxide

Result	Method	Exposure time	Specific target organ	Art	Gender	Valuation	Source
Negative	OECD 471						

Carcinogenicity

Suspected of causing cancer.

4,4'-Methylenediphenyl

Way of exposure	Parameter	Method	Value	Result	Art	Sex t	Valuation	Source
Inhalation (aerosols)		OECD 453		Carcinogens			Analog ue	

Dibutyltin dilaurate

Way of exposure	Parameter	Method	Value	Result	Art	Sex t	Valuation	Source
	NOAEL		133 ppm	No effect	Rat			

Propylene carbonate

Way of exposure	Parameter	Method	Value	Result	Art	Sex t	Valuation	Source
		OECD 451			Mouse			

Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate

Way of exposure	Parameter	Method	Value	Result	Art	Sex t	Valuation	Source
Oral		OECD 453		Carcinogens				Carc. 2

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the
European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

Reproductive toxicity

Based on available information, the criteria for classification are not met. 4,4'-

Methylenediphenyl diisocyanate

	Parameter	Method	Value	Result	Art	Sex t	Valuation	Source
	NOAEL	OECD 414	4 mg/m ³		Rat		Analog ue	aerosol

Dibutyltin dilaurate

	Parameter	Method	Value	Result	Art	Sex t	Valuation	Source
	NOAEL		5 mg/kg	Toxic for reproduction				Repr.1B

Propylene carbonate

	Parameter	Method	Value	Result	Art	Sex t	Valuation	Source
	NOAEL	OECD 414	1000 mg/kg	Negative	Rat			
	NOAEL	OECD 414	5000 mg/kg		Rat			

Specific target organ toxicity at single exposure

May irritate the respiratory tract.

4,4'-Methylenediphenyl diisocyanate

Way of exposure	Parameter	Value	Result	Art	Gender
Inhalation			Irritant		

Specific target organ toxicity in case of repeated exposure

May cause damage to organs through prolonged or repeated

exposure. 4,4'-Methylenediphenyl diisocyanate

Way of exposure	Parameter	Method	Value	Exposure time	Result	Art	Sex t	Valuation
Inhalation (aerosols)	NOAEL	OECD 453	0.2 mg/m ³			Rat		Analog ue access
Inhalation (aerosols)	NOAEL	OECD 453	1 mg/m ³			Rat		Analog ue access

Dibutyltin dilaurate

Way of exposure	Parameter	Method	Value	Exposure time	Result	Art	Sex t	Valuation
	NOAEL		0.3 mg/kg					

Propylene carbonate

Way of exposure	Parameter	Method	Value	Exposure time	Result	Art	Sex t	Valuation
Oral	NOEL	OECD 408	>5000 mg/kg	90 Day				
Inhalation (Dust/Nebe l)	NOEC	OECD 413	100 mg/m ³	90 Day				
					Negative			

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the
European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

Aspiration hazard

Inhalation of solvent vapours above levels exceeding the exposure limit values for the working environment may result in acute inhalation poisoning, depending on the level of concentration and the exposure time. Based on available information, the criteria for classification are not met.

Silicon dioxide

Way of exposure	Result	Exposure time	Art	Gender
	Negative			

SECTION 12: Environmental information

12.1. Toxicity

Acute toxicity

No data available for the mixture. 4,4'-

Methylenediphenyl diisocyanate

Parameter	Method	Value	Exposure time	Art	Environment	Valuation	Source
LC ₅₀	OECD 203	>1000 mg/kg	96 hrs.	Fish (Branchydanio rerio)			
EC ₅₀	OECD 202	>1000 mg/l	24 hrs.	Daphnia (Daphnia magna)		Analog ue access	
EC ₅₀	OECD 201	1.5 mg/l	72 hrs.	Algae			
ErC ₅₀	OECD 201	>1640 mg/l	72 hrs.	Algae (Desmodesmus subspicatus)		Analog ue access	
EC ₅₀	OECD 209	>100 mg/l	3 hrs.	Bacteria	Belebtsch lamb		
EC ₅₀	OECD 209	>100 mg/l	3 hrs.	Bacteria	Belebtsch lamb	Analog ue access	
LC ₀	OECD 203	>1000 mg/l	96 hrs.	Fish (Branchydanio rerio)		Analog ue access	
LC ₅₀	OECD 203	>1000 mg/l	96 hrs.	Fish (Branchydanio rerio)			
NOEC/NOEL	OECD 201	1640 mg/l	72 hrs.	Algae (Desmodesmus subspicatus)		Analog ue access	
EC ₅₀	OECD 207	>1000 mg/kg	14 Day	Eisenia foetida	Belebtsch lamb	Analog ue access	
NOEC/NOEL	OECD 202	>10 mg/l	21 Day	Daphnia (Daphnia magna)		Analog ue access	

Dibutyltin dilaurate

Parameter	Method	Value	Exposure time	Art	Environment	Valuation	Source
LC ₀	OECD 203	3.1 mg/l	96 hrs.	Fish (Branchydanio rerio)			saturated solution

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the
European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

Dibutyltin dilaurate

Parameter	Method	Value	Exposure time	Art	Environment	Valuation	Source
EC ₅₀	OECD 202	<1 mg/l	48 hrs.	Daphnia (Daphnia magna)			saturated solution
EC ₅₀	OECD 201	>1 mg/l	72 hrs.	Algae (Desmodesmus subspicatus)			

Propylene carbonate

Parameter	Method	Value	Exposure time	Art	Environment	Valuation	Source
LC ₅₀	EU C.1 (92/69/EEC)	>1000 mg/l	96 hrs.	Fish (Cyprinus vavrio)			
EC ₅₀	OECD 202	>1000 mg/l	48 hrs.	Daphnia (Daphnia magna)			
EC ₅₀	OECD 201	>900 mg/l	72 hrs.	Algae (Desmodesmus subspicatus)			
EC10		25619 mg/l	16 hrs.	Bacteria (Pseudomonas putida)			DIN 38412

Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate

Parameter	Method	Value	Exposure time	Art	Environment	Valuation	Source
LC ₅₀	OECD 203	>1000 mg/l	96 hrs.	Fish (Brachydario rerio)			
NOEC/NOEL	OECD 211	>10 mg/l	21 Day	Daphnia (Daphnia magna)			
EC ₅₀	OECD 202	>1000 mg/l	24 hrs.	Daphnia (Daphnia magna)			
EC ₅₀	OECD 209	>100 mg/l	3 hrs.	Bacteria	Belebtsch lamb		

Silicon dioxide

Parameter	Method	Value	Exposure time	Art	Environment	Valuation	Source
EC0	OECD 203	>10000 mg/l	96 hrs.	Fish (Branchydanio rerio)			
EC0	OECD 202	>1000 mg/l	24 hrs.	Daphnia (Daphnia magna)			
ErC ₅₀	OECD 201	≥10000 mg/l	72 hrs.	Algae (Scenedesmus subspicatus)			

12.2. Persistence and degradability

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the
European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

Biodegradability

4,4'-Methylenediphenyl diisocyanate

Parameter	Method	Value	Exposure time	Environment	Result
	OECD 302C	0 %	28 Day		
	OECD 302C	0 %	28 Day		Hardly biodegradable

Dibutyltin dilaurate

Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301F	22 %	28 Day		Hardly biodegradable

Propylene carbonate

Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301B	83,5-87,7 %	29 Day		Easily biodegradable
DOC	OECD 301A	90-100 %	14 Day		Easily biodegradable

Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate

Parameter	Method	Value	Exposure time	Environment	Result
	OECD 302C	0 %	28 hrs.	Activated sludge	

Silicon dioxide

Parameter	Method	Value	Exposure time	Environment	Result
					Hardly biodegradable

The information is not available.

12.3. Bioaccumulative potential

4,4'-Methylenediphenyl diisocyanate

Parameter	Method	Value	Exposure time	Art	Environment	Room temperature	Source
Log Pow		5,22					
BCF	OECD 305	200	28 Day	Cyprinus caprio			

Dibutyltin dilaurate

Parameter	Method	Value	Exposure time	Art	Environment	Room temperature	Source
BCF	OECD 305	1,49-3,7		Fish (Oncorhynchus mykiss)			

Propylene carbonate

Parameter	Method	Value	Exposure time	Art	Environment	Room temperature	Source
Log Pow		0,48					(<1)

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament as amended.

CREATON - Special adhesive SKL

Creation date 26 July 2018
Revised on 19 September 2019 Version number 2.0

Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate

Parameter	Method	Value	Exposure time	Art	Environment	Room temperature	Source
BFC		200					

Not listed.

12.4. Mobility in soil

Not listed.

12.5. Results of the PBT and vPvB assessment

The product does not contain any substances that fulfil the criteria for PBT or vPvB according to Annex XIII of Regulation (EC) No 1907/2006 (REACH) of the European Parliament and of the Council as amended.

12.6. Other adverse effects

Not listed.

SECTION 13: Disposal instructions

13.1 Waste treatment processes

Risk of contamination of the environment, proceed in accordance with the Waste Act as well as the implementing regulations on waste disposal. Proceed in accordance with the applicable regulations on waste disposal. Place an unused product and soiled packaging in containers marked for waste collection and hand them over for disposal to a person (specialised company) authorised to carry out such activities. Do not pour an unused product into the sewage system. Do not dispose of together with municipal waste. Empty packaging may be used energetically in a waste incineration plant or deposited in a landfill of the appropriate incorporation. Completely cleaned packaging can be handed over for recycling.

Waste regulations

Hazardous waste according to the Waste List Regulation. Decision 2000/532/EC on the provision of a list of wastes with subsequent amendments.

Waste designation

08 04 09 * Waste adhesives and sealants containing organic solvents or other dangerous substances

08 05 01 Isocyanate waste *

Waste designation for the packaging

15 01 10 Packaging containing residues of or contaminated by dangerous substances (*) - Hazardous waste are *

within the meaning of Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number

Not subject to the provisions of the ADR

14.2. UN proper shipping name

unmentioned

14.3. Transport hazard classes

unmentioned

14.4. Packing group

unmentioned

14.5. Environmental hazards

unmentioned

14.6. Special precautions for the user

Unless otherwise specified, the general measures for carrying out safe transport must be observed.

14.7. Carriage in bulk in accordance with Annex II of the MARPOL Convention and the IBC Code

Not a dangerous good according to the regulations listed above.

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

SECTION 15: Legislation

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

Ordinance on Protection against Hazardous Substances (GefStoffV). TRGS 900. Regulation of the European Parliament and of the Council (EC) No 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation of the European Parliament and of the Council (EC) No 1272/2008 of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006, as amended.

15.2. Chemical safety assessment

Not intended for mixtures.

Other information

WGK (Germany) 1, self-classification Yes

SECTION 16: Other information

The list of standard phrases used in the safety data sheet on the hazard

H314 Causes severe skin burns and eye damage. H315 Causes skin irritation.
H317 May cause allergic skin reactions.
H319 Causes severe eye irritation.
H332 Harmful by inhalation.
H334 May cause allergy, asthma-like symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.
H341 Suspected to cause genetic defects.
H351 Suspected to cause cancer.
H360FD May damage fertility. May cause harm to the unborn child. H370 Damages the organs.
H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic organisms.
H410 Very toxic to aquatic life with long lasting effects. **The list of**

precautionary statements used in the safety data sheet P201 Request special instructions before use.

P260 Do not breathe vapour/aerosol.

P280 Wear protective gloves/protective clothing/eye protection/face protection. P284 Wear respiratory protection.

P302+P352 If in contact with skin: Wash with plenty of soap and water.

P304+P340 If inhaled: Remove the person to fresh air and ensure unobstructed breathing.

P305+P351+P338 If contact with eyes occurs: Rinse cautiously with water for several minutes. Remove any contact lenses if possible. Continue rinsing.

P308+P313 BE If exposed or if affected: Get medical advice/attention. P101 If medical advice is needed, have container or label at hand.

P102 Keep out of the reach of children.

The list of additional hazard information in the safety data sheet used

EUH 204 Contains isocyanates. May cause allergic reactions.

Other important information regarding human safety and health

The product must not - without special permission from the manufacturer / importer - be used for any purpose other than that specified in section 1. The user is responsible for compliance with all related health and safety regulations.

Legend for abbreviations and acronyms used in the safety data sheet

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

AGW workplace limits

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

BCF Bioconcentration factor
CAS Chemical Abstracts Service
CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP Regulation)
DNEL Derived exposure level without adverse effect
EC₅₀ The effective concentration of a substance that causes 50% of the maximum possible reaction
EID Identification code for each substance given in the EINECS
EINECS European Inventory of Existing Commercial Chemical Substances
EmS Emergency Plan
EU European Union
IATA International Air Transport Association
IBC International Code for the Construction and Equipment of Ships for the Transport of Hazardous Chemicals
IC₅₀ concentration causing 50% blockade
ICAO International Civil Aviation Organization
IMDG International Carriage of Dangerous Goods by Sea
INCI International Nomenclature for Cosmetic Ingredients
ISO International Organisation for Standardisation
IUPAC International Union of Pure and Applied Chemistry
LC₅₀ Lethal concentration of a chemical that kills 50% of a sample
LD₅₀ Lethal concentration of a substance that causes the death of 50% of the population
LOAEL Lowest concentration with observable adverse effect.
LOAEL Lowest dose with observable adverse effect
log K_{ow} Octanol-water Partition coefficient
MAK Maximum workplace concentrations
MARPOL The International Convention for the Prevention of Pollution from Ships
NOAEL Concentration without observable adverse effect
NOAEL dose without observable adverse effect
NOEL Highest tested concentration with no observed adverse effect
NOEL Dose with no observable effect
OEL Permissible exposure limits at the workplace
PBT Persistent, bioaccumulative and toxic
PNEC Estimated non-effect concentration
ppm Parts per million
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals
RID Convention on the Transport of Dangerous Goods by Rail
UN four-digit number used to identify substances or articles in accordance with the UN Model Regulations.
UVCB substances with unknown or variable composition, complex reaction products and biological materials
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative

Acute Tox.	Acute toxicity
Aquatic Acute	Harmful to the aquatic environment
Aquatic Chronic	Harmful to the aquatic environment
Carc.	carcinogenicity
Eye Irrit.	Eye Irritation
Muta.	Germ cell mutagenicity
Repr.	reproductive toxicity
Resp. Sens.	Respiratory sensitisation
Skin Corr.	Skin corrosion
Skin Irrit.	Irritant effect on the skin
Skin Sens.	Skin sensitisation
STOT	Specific repeated exposure target organ toxicity

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament as amended.

CREATON - Special adhesive SKL

Creation date	26 July 2018	Version number	2.0
Revised on	19 September 2019		

STOT SESpecific target organ toxicity (single exposure)

Instructions for the training

Familiarise employees with the recommended manner of use, compulsory safety equipment, first aid and permitted handling of the product.

Recommended restrictions of use

Not specified. Use only as recommended by the supplier.

Information on the sources of the data used in compiling the safety data sheet Regulation of the European Parliament and of the Council (EC) No 1907/2006 (REACH), as amended. Regulation of the European Parliament and of the Council (EC) No 1272/2008 as amended. Principles for ensuring first aid in case of exposure to chemical substances (Zásady pro poskytování první pomoci při expozici chemickým látkám, Doz. MUDr. Daniela Pelclová, CSc., MUDr. Alexandr Fuchs, CSc., MUDr. Miroslava Hornychová, CSc., MUDr. Zdeňka Trávníčková, CSc., Jiřina Fridrichovská, prom. Chem.). Data from the manufacturer of the substance/mixture, if available - information from the registration documentation.

Changes made (what information was added, omitted or changed)

Version 2.0 replaces version BL of 26.07.2018. Changes implemented in sections 2, 3, 13, 15 and 16.

Other information

Classification procedure - Calculation method.

Explanation

The safety data sheet contains information to ensure occupational safety and health protection as well as environmental protection. The information given corresponds to the current state of knowledge and experience and is in accordance with the applicable legal provisions. They cannot be regarded as a guarantee of the suitability and applicability of the product for a specific application.
