Trade name: WIDOPAN-Bindemittel für Steinteppich LF

Current version: 4.0.1, Revision: 03.09.2026 **Replaced version:** 4.0.0, Revision: 26.05.2026 **Region:** GB

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

1.1 Product identifier

Trade name

WIDOPAN-Bindemittel für Steinteppich LF

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

Relevant identified uses of the substance or mixture
Binding agent

Uses advised against
No data available.

1.3 Details of the supplier of the safety data sheet

Address
Widopan Produkte GmbH
Ostereichen 3
D-21714 Hammah

Telephone no. +49 (0) 4144 69821-0
Fax no. +49 (0) 4144 69821-20

Information provided by / telephone
+49 (0) 4144 69821-0

Advice on Safety Data Sheet
sdb_info@umco.de

Details of the importer

Address
Widopan Limited
System House Horndon Industrial Park 24 Station Rd
West Horndon Brentwood CM13 3XL

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)
Acute Tox. 4; H332
Skin Sens. 1; H317
STOT SE 3; H335

Classification information
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



GHS07

Signal word
Warning

Hazardous component(s) to be indicated on label:
Aliphatic polyisocyanate
dimethylbis[(1-oxoneodecyl)oxy]stannane

Hazard statement(s)

H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Precautionary statement(s)

P261	Avoid breathing mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P312	Call a POISON CENTER/doctor if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

PBT assessment
According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment
According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

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		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	**Aliphatic polyisocyanate**			
	28182-81-2 931-274-8 - 01-2119485796-17	Acute Tox. 4; H332 Skin Sens. 1; H317 STOT SE 3; H335	< 100.00	wt%
2	**dimethylbis[(1-oxoneodecyl)oxy]stannane**			
	68928-76-7 273-028-6 - 01-2120770324-57	Acute Tox. 4; H302 Aquatic Chronic 3; H412 Skin Irrit. 2; H315 Skin Sens. 1A; H317 Repr. 2; H361d STOT RE 1; H372	< 0.50	wt%

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
2	892 mg/kg bodyweight		

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician. In case of allergic symptoms, especially respiratory tract related, seek medical help immediately.

After inhalation
Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air.

After skin contact
In case of contact with skin wash off with water. Rinse with plenty of water.

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
Rinse the mouth thoroughly with water. Do not induce vomiting. 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
No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Carbon dioxide; Water spray jet; Dry chemical extinguisher; Alcohol-resistant foam

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: Tin oxides; Carbon oxides (COx); Isocyanate vapours. Hydrogen cyanide (HCN); Exposure to heat may cause bursting of the vessels.

5.3 Advice for firefighters
Use self-contained breathing apparatus. Wear protective clothing. Run-off water from fire fighting must not be discharged into drains or enter surface water. Cool endangered containers with water spray jet.

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.

For emergency responders
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. In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Cover up with damp, liquid absorbing material (e. g. sawdust, chemical binding material based on calcium silicate hydrate, sand). After 1 hour collect in stainless containers for waste material disposal. Do not seal containers (generation of CO2)! Keep damp and let stand in a secured outdoor location for several days. Dispose according to section 13. Contaminated areas may be cleaned with recommended decontamination agents: - 8-10% sodium carbonate and 2% aqueous liquid soap; - Liquid/yellow soap (potassium soap with ~ 15% anionic surfactants): 20ml; Water: 700ml; Polyethylene glycol (PEG 400): 350ml; - 30% commercial laundry detergent (containing monoethanolamine), 70% water

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

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.

General protective and hygiene measures
Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

Advice on protection against fire and explosion
Keep away from ignition sources and provide for good ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions
Keep container tightly closed and dry in a cool, well-ventilated place.

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
Substances to be avoided, see section 10.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	**Aliphatic polyisocyanate**	**28182-81-2**	**931-274-8**
	2024/869/EC		
	Diisocyanates (measured as NCO (10))		
	WEL long-term (8-hr TWA reference period)	0.006 mg/m³	12 ppm
	Skin resorption / sensibilisation Comments	Skin (8) Dermal and respiratory sensitisation (9) A limit value of 10 µg NCO/m3 in relation to a reference period of 8 hours and a short-term exposure limit value of 20 µg NCO/m3 shall apply until 31 December 2028.	
2	**dimethylbis[(1-oxoneodecyl)oxy]stannane**	**68928-76-7**	**273-028-6**
	List of approved workplace exposure limits (WELs) / EH40		
	Tin compounds, organic, except Cyhexatin (ISO), (as Sn)		

	WEL short-term (15 min reference period)	0.2	mg/m³
	WEL long-term (8-hr TWA reference period)	0.1	mg/m³
	Comments	Sk	

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	**Aliphatic polyisocyanate**			**28182-81-2 931-274-8**	
	inhalative	Short term (acut)	local	1	mg/m³
	with reference to: Air				
	inhalative	Long term (chronic)	local	0.5	mg/m³
	with reference to: Air				
2	**dimethylbis[(1-oxoneodecyl)oxy]stannane**			**68928-76-7 273-028-6**	
	dermal	Long term (chronic)	systemic	0.03	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	0.02	mg/m³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	**Aliphatic polyisocyanate**		**28182-81-2 931-274-8**	
	sewage treatment plant	-	88	mg/L
2	**dimethylbis[(1-oxoneodecyl)oxy]stannane**		**68928-76-7 273-028-6**	
	water	fresh water	0.016	mg/L
	water	Aqua intermittent	0.16	mg/L
	water	marine water	0.002	mg/L
	water	fresh water sediment	1.135	mg/kg dry weight
	water	marine water sediment	0.113	mg/kg dry weight
	soil	-	0.001	mg/kg dry weight
	sewage treatment plant	-	100	mg/L
	secondary poisoning	-	0.069	mg/kg food

8.2 Exposure controls

Appropriate engineering controls
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

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.
Respirator A2-P2

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 work-station 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.

Appropriate Material	butyl rubber		
Material thickness	>=	0.5	mm
Breakthrough time	>=	480	min
Appropriate Material	fluorintated rubber		
Material thickness	>=	0.4	mm
Breakthrough time	>=	480	min
Appropriate Material	PE / EVAL / PE		
Breakthrough time	>=	480	min

Other
Chemical-resistant work clothes.

Environmental exposure controls
No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation
liquid

Colour
colourless

Odour
almost odourless

pH value	
reason for missing pH	substance/mixture is non-soluble (in water)

Boiling point / boiling range
No data available

Melting point/freezing point
No data available

Decomposition temperature
No data available

Pour point			
Value	appr.	-37	°C
Method	ISO 3016		
Source	supplier		

Flash point			
Value	appr.	158	°C
Method	DIN 53213		
Source	supplier		

Ignition temperature			
Value	appr.	445	°C
Method	DIN 51794		
Source	supplier		

Flammability
No data available

Lower explosion limit

No data available

Upper explosion limit
No data available

Vapour pressure			
Value	<	0.0000 3	hPa
Reference temperature		20	°C
Source	supplier		

Relative vapour density
No data available

Relative density
No data available

Density			
Value	appr.	1.17	g/cm³
Reference temperature		20	°C
Method	DIN 53217		
Source	supplier		

Solubility in water	
Comments	immiscible

Solubility
No data available

Partition coefficient n-octanol/water (log value)				
No	**Substance name**	**CAS no.**	**EC no.**	
1	Aliphatic polyisocyanate	28182-81-2	931-274-8	
log Pow			9.81	
Reference temperature			20	°C
Method	QSAR			
Source	ECHA			

Kinematic viscosity			
Value	appr.	1200	mPa*s
Type	dynamic		
Method	DIN EN ISO 3219/A.3		
Source	supplier		

Particle characteristics
No data available

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Reacts with water, giving off excessive pressure or heat. Exothermic reactions are possible in the event of contact with incompatible substances.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials
Oxidizing agents; Amines; Alcohols

10.6 Hazardous decomposition products
None, if handled according to intended use. In case of fire: see section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity				
No	**Substance name**	**CAS no.**		**EC no.**
1	**Aliphatic polyisocyanate**	**28182-81-2**		**931-274-8**
LD50	>	2500		mg/kg bodyweight
Species	rat			
Method	OECD 423			
Source	ECHA			
2	**dimethylbis[(1-oxoneodecyl)oxy]stannane**	**68928-76-7**		**273-028-6**
LD50		892		mg/kg bodyweight
Species	rat			
Method	OECD 401			
Source	ECHA			

Acute dermal toxicity				
No	**Substance name**	**CAS no.**		**EC no.**
1	**Aliphatic polyisocyanate**	**28182-81-2**		**931-274-8**
LD50	>	2000		mg/kg bodyweight
Species	rat			
Method	OECD 402			
Source	ECHA			

Acute inhalational toxicity (result of the ATE calculation for the mixture)		
Product Name		
WIDOPAN-Bindemittel für Steinteppich LF		
ATE (Mixture)	11.1111	mg/l
Route of exposure / physical from	Vapour	
Method	Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6.	

Acute inhalational toxicity				
No	**Substance name**	**CAS no.**		**EC no.**
1	**Aliphatic polyisocyanate**	**28182-81-2**		**931-274-8**
LC50		1.5		mg/l
Duration of exposure		4		h
State of aggregation	Dust/mist			
Species	rat			
Method	OECD 403			
Source	ECHA			
Evaluation/classification	Based on available data, the classification criteria are met.			

Skin corrosion/irritation			
No	**Substance name**	**CAS no.**	**EC no.**
1	**Aliphatic polyisocyanate**	**28182-81-2**	**931-274-8**
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	low-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	**dimethylbis[(1-oxoneodecyl)oxy]stannane**	**68928-76-7**	**273-028-6**

Duration of exposure	15		min
Species	Human		
Method	OECD 439		
Source	ECHA		
Evaluation	irritant		

Serious eye damage/irritation			
No	**Substance name**	**CAS no.**	**EC no.**
1	**Aliphatic polyisocyanate**	**28182-81-2**	**931-274-8**
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	low-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	**dimethylbis[(1-oxoneodecyl)oxy]stannane**	**68928-76-7**	**273-028-6**
Duration of exposure	10		min
Species	cattle		
Method	OECD 437		
Source	ECHA		
Evaluation	non-irritant		

Respiratory or skin sensitisation			
No	**Substance name**	**CAS no.**	**EC no.**
1	**Aliphatic polyisocyanate**	**28182-81-2**	**931-274-8**
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	sensitizing		
2	**dimethylbis[(1-oxoneodecyl)oxy]stannane**	**68928-76-7**	**273-028-6**
Route of exposure	Skin		
Duration of exposure	24		h
Species	guinea pig		
Source	ECHA		
Evaluation	sensitizing		

Germ cell mutagenicity			
No	**Substance name**	**CAS no.**	**EC no.**
1	**Aliphatic polyisocyanate**	**28182-81-2**	**931-274-8**
Type of examination	In vitro mammalian cell gene mutation test		
Species	Chinese hamster Ovary (CHO)		
Method	OECD 476		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	**dimethylbis[(1-oxoneodecyl)oxy]stannane**	**68928-76-7**	**273-028-6**
Duration of exposure	72		h
Type of examination	in vitro gene mutation study in bacteria		
Species	Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity
No data available

Carcinogenicity
No data available

STOT - single exposure
No data available

STOT - repeated exposure
No data available

Aspiration hazard
No data available

11.2 Information on other hazards

Endocrine disrupting properties
No data available

Other information
No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**dimethylbis[(1-oxoneodecyl)oxy]stannane**	**68928-76-7**		**273-028-6**
LC50	>	1000		mg/l
Duration of exposure		96		h
Species	Pimephales promelas			
Method	OECD 203			
Source	ECHA			

Toxicity to fish (chronic)
No data available

Toxicity to Daphnia (acute)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**Aliphatic polyisocyanate**	**28182-81-2**		**931-274-8**
EC50		127		mg/l
Duration of exposure		48		h
Species	Daphnia magna			
Method	EU C.2			
Source	ECHA			
2	**dimethylbis[(1-oxoneodecyl)oxy]stannane**	**68928-76-7**		**273-028-6**
EC50		39		mg/l
Duration of exposure		48		h
Species	Daphnia magna			
Method	OECD 202			
Source	ECHA			

Toxicity to Daphnia (chronic)
No data available

Toxicity to algae (acute)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**Aliphatic polyisocyanate**	**28182-81-2**		**931-274-8**
EC50	>	1000		mg/l
Duration of exposure		72		h
Species	Scenedesmus subspicatus			
Method	OECD 201			
Source	ECHA			
2	**dimethylbis[(1-oxoneodecyl)oxy]stannane**	**68928-76-7**		**273-028-6**
EC50		8		mg/l
Duration of exposure		72		h
Species	Raphidocelis subcapitata			
Method	OECD 201			
Source	ECHA			

Toxicity to algae (chronic)
No data available

Bacteria toxicity					
No	**Substance name**	**CAS no.**		**EC no.**	
1	**Aliphatic polyisocyanate**	**28182-81-2**		**931-274-8**	
EC50			3828		mg/l
Duration of exposure			3		h
Species	activated sludge				
Method	OECD 209				
Source	ECHA				
2	**dimethylbis[(1-oxoneodecyl)oxy]stannane**	**68928-76-7**		**273-028-6**	
EC50	>		1000		
Duration of exposure			3		h
Species	activated sludge				
Method	OECD 209				
Source	ECHA				

12.2 Persistence and degradability

Biodegradability					
No	**Substance name**	**CAS no.**		**EC no.**	
1	**Aliphatic polyisocyanate**	**28182-81-2**		**931-274-8**	
Type	aerobic biodegradation				
Value			1		%
Duration			28		day(s)
Method	OECD 301 A				
Source	ECHA				
Evaluation	not readily biodegradable				
2	**dimethylbis[(1-oxoneodecyl)oxy]stannane**	**68928-76-7**		**273-028-6**	
Type	aerobic biodegradation				
Value			0		%
Duration			28		day(s)
Method	OECD 301 B				
Source	ECHA				
Evaluation	not readily biodegradable				

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)					
No	**Substance name**	**CAS no.**		**EC no.**	
1	**Aliphatic polyisocyanate**	**28182-81-2**		**931-274-8**	
BCF			141		
Method	QSAR				
Source	ECHA				

Partition coefficient n-octanol/water (log value)					
No	**Substance name**	**CAS no.**		**EC no.**	
1	**Aliphatic polyisocyanate**	**28182-81-2**		**931-274-8**	
log Pow			9.81		
Reference temperature			20		°C
Method	QSAR				
Source	ECHA				

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment
Product Name
WIDOPAN-Bindemittel für Steinteppich LF

PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.
vPvB assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

12.6 Endocrine disrupting properties
No data available.

12.7 Other adverse effects
No data available.

12.8 Other information

Other information
Do not discharge product unmonitored into the environment. Do not discharge into drains or waters and do not dispose of in public landfills.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product
Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.
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
Residues 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 UN number or ID number
Not classified as dangerous in the meaning of transport regulations.

14.2 UN proper shipping name
Not classified as dangerous in the meaning of transport regulations.

14.3 Transport hazard class(es)
Not classified as dangerous in the meaning of transport regulations.

14.4 Packing group
Not classified as dangerous in the meaning of transport regulations.

14.5 Environmental hazards
Not classified as dangerous in the meaning of transport regulations.

14.6 Special precautions for user
No data available.

14.7 Maritime transport in bulk according to IMO instruments
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 XVII. No 3

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	Aliphatic polyisocyanate	28182-81-2	931-274-8	74
2	hexamethylene-diisocyanate	822-06-0	212-485-8	75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

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)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Classification information
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.

Creation of the safety data sheet
UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

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.

Alterations/supplements:
Alterations to the previous edition are marked in the left-hand margin.

Copyright-protected document. Any changes or reproductions require the express consent of UMCO GmbH.

Prod-ID 795049