

Trade name: WIDOPAN-Bindemittel für Steinteppich LF

Current version : 3.0.0, issued: 23.07.2025

Replaced version: 2.0.1, issued: 04.01.2024

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

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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.

Supplemental label elements

'As from 24 August 2023 adequate training is required before industrial or professional use'

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	< 0.50 wt%

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

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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.

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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/m ³	12 ppm
	Skin resorption / sensibilisation	Skin (8) Dermal and respiratory sensitisation (9)	
	Comments	A limit value of 10 µg NCO/m ³ in relation to a reference period of 8 hours and a short-term exposure limit value of 20 µg NCO/m ³ shall apply until 31 December 2028.	
2	dimethylbis[(1-oxonodecyl)oxy]stannane	68928-76-7	273-028-6
	List of approved workplace exposure limits (WELs) / EH40		
	Tin compounds, organic, except Cyhexatin (ISO), (as Sn)		

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	WEL short-term (15 min reference period)	0.2	mg/m ³
	WEL long-term (8-hr TWA reference period)	0.1	mg/m ³
	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 (acute)	local	
	with reference to: Air			
	inhalative			0.5 mg/m ³
		Long term (chronic)	local	
	with reference to: Air			

PNEC values

No	Substance name		CAS / EC no
	ecological compartment	Type	Value
1	Aliphatic polyisocyanate		28182-81-2 931-274-8
	water	fresh water	
	water	marine water	0.0127 mg/L
	water		266701 mg/kg
		fresh water sediment	
	with reference to: dry weight		
	water		26670 mg/kg
		marine water sediment	
	with reference to: dry weight		
	soil		53183 mg/kg
		-	
	with reference to: dry weight		
	sewage treatment plant		88 mg/L
		-	

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	fluorinated rubber		
Material thickness	>=	0.4	mm
Breakthrough time	>=	480	min
Appropriate Material	PE / EVAL / PE		

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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 hPa
Reference temperature	3 °C
Source	supplier
Relative vapour density	
No data available	

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Relative density	
No data available	

Density	
Value	appr. 1.17 g/cm ³
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	EC no.

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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 form	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.		

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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	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	

Endocrine disrupting properties	
No data available	

11.2 Information on other hazards

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	Aliphatic polyisocyanate	28182-81-2	931-274-8

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LC50	>	100	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	EU C.1		
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		
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		

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		

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)

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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. 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.
vPvB assessment	

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**

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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.

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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.
H412	Harmful to aquatic life with long lasting effects.

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.

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