

Trade name: WIDOPAN-Hardener

Current version : 7.3.0, issued: 10.02.2023

Replaced version: 7.2.0, issued: 11.06.2021

Region: GB

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

1.1 Product identifier

Trade name

WIDOPAN-Hardener

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

Relevant identified uses of the substance or mixture

Hardener

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)

Aquatic Acute 1; H400

Aquatic Chronic 1; H410

Eye Irrit. 2; H319

Org. Perox. D; H242

Repr. 1B; H360D

Skin Sens. 1; H317

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.

Trade name: WIDOPAN-Hardener

Current version : 7.3.0, issued: 10.02.2023

Replaced version: 7.2.0, issued: 11.06.2021

Region: GB

2.2 Label elements

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

Hazard pictograms



GHS02



GHS07



GHS08



GHS09

Signal word

Danger

Hazardous component(s) to be indicated on label:

dicyclohexyl-phthalate
dibenzoyl peroxide

Hazard statement(s)

H242	Heating may cause a fire.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H360D	May damage the unborn child.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P234	Keep only in original packaging.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P411+P235	Store at temperatures not exceeding +30 °C. Keep cool.

Supplemental label elements

"Restricted to professional users"

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

Chemical characterization

Mixture (preparation)

Hazardous ingredients

Trade name: WIDOPAN-Hardener

Current version : 7.3.0, issued: 10.02.2023

Replaced version: 7.2.0, issued: 11.06.2021

Region: GB

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration
			%
1	dicyclohexyl-phthalate		
	84-61-7 201-545-9 607-719-00-4 01-2119978223-34	Skin Sens. 1; H317 Repr. 1B; H360D Aquatic Chronic 3; H412	>= 50.00 - < 70.00 wt%
2	dibenzoyl peroxide		
	94-36-0 202-327-6 617-008-00-0 01-2119511472-50	Org. Perox. B; H241 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 25.00 - < 50.00 wt%

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

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	-	-	M = 10	M = 10

No	Route, target organ, concrete effect
1	H360D oral; -, -

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and 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). Seek medical assistance.

After ingestion

Seek medical advice immediately. Rinse the mouth thoroughly with water. 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

Foam; Dry chemical extinguisher; Carbon dioxide; Water; Dry sand

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO); Benzoic acid; benzene

Trade name: WIDOPAN-Hardener

Current version : 7.3.0, issued: 10.02.2023

Replaced version: 7.2.0, issued: 11.06.2021

Region: GB

5.3 Advice for firefighters

Use self-contained breathing apparatus. Cool endangered containers with water in case of fire. Defeat developing combustible gases with water spray. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid dust formation.

For emergency responders

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

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Damp, pick up mechanically. When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Provide eye wash fountain in work area. Do not inhale dust.

Advice on protection against fire and explosion

Dust can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use only explosion-proof equipment.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place. Prevent drying-out

Recommended storage temperature

Value	max.	30	°C
-------	------	----	----

Requirements for storage rooms and vessels

Keep only in the original container.

Appropriate Material stainless steel; PVC

Incompatible products

Do not store together with foodstuffs. Do not store together with: Reducing agents; Acids; Alkalis; heavy metal compounds

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Trade name: WIDOPAN-Hardener

Current version : 7.3.0, issued: 10.02.2023

Replaced version: 7.2.0, issued: 11.06.2021

Region: GB

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	dicyclohexyl-phthalate	84-61-7	201-545-9
List of approved workplace exposure limits (WELs) / EH40			
	Dicyclohexyl phthalate		
	WEL long-term (8-hr TWA reference period)	5	mg/m ³
2	dibenzoyl peroxide	94-36-0	202-327-6
List of approved workplace exposure limits (WELs) / EH40			
	Dibenzoyl peroxide		
	WEL long-term (8-hr TWA reference period)	5	mg/m ³

DNEL, DMEL and PNEC values**DNEL values (worker)**

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	dicyclohexyl-phthalate			84-61-7 201-545-9
	dermal	Long term (chronic)	systemic	0.5 mg/kg
	inhalative	Long term (chronic)	systemic	35.2 mg/m ³
	inhalative	Short term (acute)	systemic	35.2 mg/m ³
2	dibenzoyl peroxide			94-36-0 202-327-6
	dermal	Long term (chronic)	systemic	13.3 mg/kg bw/day
	dermal	Long term (chronic)	local	34 µg/cm ²
	inhalative	Long term (chronic)	systemic	39 mg/m ³

DNEL value (consumer)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	dicyclohexyl-phthalate			84-61-7 201-545-9
	oral	Long term (chronic)	systemic	0.25 mg/kg
	oral	Short term (acute)	systemic	0.25 mg/kg
	dermal	Long term (chronic)	systemic	0.25 mg/kg
	inhalative	Short term (acute)	systemic	0.87 mg/m ³
2	dibenzoyl peroxide			94-36-0 202-327-6
	oral	Long term (chronic)	systemic	2 mg/kg bw/day

PNEC values

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	dicyclohexyl-phthalate		84-61-7 201-545-9
	water	fresh water	1.04 µg/L
	water	marine water	0.104 µg/L
	water	fresh water sediment	1.06 mg/kg
	water	marine water sediment	0.106 mg/kg
	soil	-	0.31 mg/kg
	sewage treatment plant	-	10 mg/L
	secondary poisoning with reference to: food	mammalian	133 g/kg
2	dibenzoyl peroxide		94-36-0 202-327-6
	water	fresh water	0.02 µg/L
	water	marine water	0.002 µg/L

Trade name: WIDOPAN-Hardener**Current version :** 7.3.0, issued: 10.02.2023**Replaced version:** 7.2.0, issued: 11.06.2021**Region:** GB

water	fresh water sediment	0.013	mg/kg dry weight
water	marine water sediment	0.001	mg/kg dry weight
soil	-	0.003	mg/kg dry weight
sewage treatment plant	-	0.35	mg/L
secondary poisoning with reference to: food	mammalian	6.67	mg/kg

8.2 Exposure controls**Appropriate engineering controls**

No data available.

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event that workplace threshold values are not specified.

Respiratory filter (part): P1

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 neoprene

Appropriate Material Synthetic rubber

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

State of aggregation	
solid	
Form	
Powder	
Colour	
white	
Odour	
weak	
pH value	
Value	7
Boiling point / boiling range	
No data available	
Melting point/freezing point	
No data available	

Trade name: WIDOPAN-Hardener**Current version :** 7.3.0, issued: 10.02.2023**Replaced version:** 7.2.0, issued: 11.06.2021**Region:** GB

Decomposition temperature			
Comments		SADT: 60°C	
Flash point			
Not applicable			
Ignition temperature			
No data available			
Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
No data available			
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
Value		1.23	g/cm³
Reference temperature		20	°C
Bulk density			
Value		630	kg/m³
Reference temperature		20	°C
Solubility in water			
Comments		insoluble	
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	dicyclohexyl-phthalate	84-61-7	201-545-9
log Pow		4.82	
Reference temperature		25	°C
Method		OECD 117	
Source		ECHA	
2	dibenzoyl peroxide	94-36-0	202-327-6
log Pow		3.2	
Reference temperature		22	°C
Method		OECD 107	
Source		ECHA	
Kinematic viscosity			
Not applicable			
Particle characteristics			
No data available			

9.2 Other information

Other information	
Active oxygen content: 3.24 – 3.47 %	

Trade name: WIDOPAN-Hardener**Current version :** 7.3.0, issued: 10.02.2023**Replaced version:** 7.2.0, issued: 11.06.2021**Region:** GB**SECTION 10: Stability and reactivity****10.1 Reactivity**

sensitive to exothermic decomposition, decomposition is initiated by heat, contact with impurities (e.g. acids, heavy metal compounds, amines), friction or impact

10.2 Chemical stability

under heat rapidly disintegrate

10.3 Possibility of hazardous reactions

SADT (self accelerating decomposition temperature) possible at temperature above approximately +60°C, vapour may form explosive mixtures with air

10.4 Conditions to avoid

Temperatures > 25°C; Risk of explosions in dry state. Heat, naked flames and other ignition sources. Protect from light.

10.5 Incompatible materials

Acids; Bases; Heavy metals; Reducing agents; rust; iron; copper

10.6 Hazardous decomposition products

Benzoic acid; Benzene; Carbon monoxide and carbon dioxide

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	dicyclohexyl-phthalate	84-61-7	201-545-9
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		
2	dibenzoyl peroxide	94-36-0	202-327-6
LD50	>	2000	mg/kg bodyweight
Species	mouse		
Method	OECD 401		
Source	ECHA		
Acute dermal toxicity			
No data available			
Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	dibenzoyl peroxide	94-36-0	202-327-6
LC50	24.3		mg/l
Duration of exposure	4		h
State of aggregation	Dust/mist		
Species	rat		
Method	OECD 403		
Source	ECHA		
Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	dibenzoyl peroxide	94-36-0	202-327-6
Evaluation	low-irritant		
Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	dibenzoyl peroxide	94-36-0	202-327-6
Evaluation	irritant		

Trade name: WIDOPAN-Hardener

Current version : 7.3.0, issued: 10.02.2023

Replaced version: 7.2.0, issued: 11.06.2021

Region: GB

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

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

Exercise customary precautions when handling chemicals.

SECTION 12: Ecological information**12.1 Toxicity****Toxicity to fish (acute)**

No	Substance name	CAS no.	EC no.
1	dicyclohexyl-phthalate	84-61-7	201-545-9
LC50	>	2	mg/l
Duration of exposure		96	h
Species	Oryzias latipes		
Method	OECD 203		
Source	ECHA		
2	dibenzoyl peroxide	94-36-0	202-327-6
LC50		0.0602	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

No	Substance name	CAS no.	EC no.
1	dibenzoyl peroxide	94-36-0	202-327-6
EC50		0.11	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)

Trade name: WIDOPAN-Hardener

Current version : 7.3.0, issued: 10.02.2023

Replaced version: 7.2.0, issued: 11.06.2021

Region: GB

No	Substance name	CAS no.	EC no.
1	dicyclohexyl-phthalate	84-61-7	201-545-9
EC50	>	2	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
2	dibenzoyl peroxide	94-36-0	202-327-6
EC50		0.071	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No	Substance name	CAS no.	EC no.
1	dibenzoyl peroxide	94-36-0	202-327-6
EC50		35	mg/l
Duration of exposure		30	min
Method	OECD 209		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	dicyclohexyl-phthalate	84-61-7	201-545-9
Type	aerobic biodegradation		
Value		68.5	%
Duration		28	day(s)
Source	ECHA		
Evaluation	readily biodegradable		
2	dibenzoyl peroxide	94-36-0	202-327-6
Value		71	%
Duration		28	d
Method	OECD 301 D		
Source	ECHA		
Evaluation	readily biodegradable		

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	dicyclohexyl-phthalate	84-61-7	201-545-9
BCF		85	
Method	QSAR		
Source	ECHA		

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	dicyclohexyl-phthalate	84-61-7	201-545-9
log Pow		4.82	
Reference temperature		25	°C
Method	OECD 117		
Source	ECHA		
2	dibenzoyl peroxide	94-36-0	202-327-6
log Pow		3.2	
Reference temperature		22	°C
Method	OECD 107		

Trade name: WIDOPAN-Hardener**Current version :** 7.3.0, issued: 10.02.2023**Replaced version:** 7.2.0, issued: 11.06.2021**Region:** GB

Source	ECHA
--------	------

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
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.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

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

Packaging

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 Transport ADR/RID/ADN**

Class	5.2
Classification code	P1
UN number	UN3106
Proper shipping name	ORGANIC PEROXIDE TYPE D, SOLID
Tunnel restriction code	D
Label	5.2
Environmentally hazardous substance mark	Symbol "fish and tree"

14.2 Transport IMDG

Class	5.2
UN number	UN3106
Proper shipping name	ORGANIC PEROXIDE TYPE D, SOLID
Technical name	dibenzoyl peroxide
EmS	F-J, S-R
Label	5.2
Marine pollutant mark	Symbol "fish and tree"

14.3 Transport ICAO-TI / IATA

Class	5.2
-------	-----

Trade name: WIDOPAN-Hardener**Current version :** 7.3.0, issued: 10.02.2023**Replaced version:** 7.2.0, issued: 11.06.2021**Region:** GB

UN number UN3106
 Proper shipping name Organic peroxide type D, solid
 Label 5.2

14.4 Other information

No data available.

14.5 Environmental hazards

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

14.6 Special precautions for user

No data available.

14.7 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

The product contains following substance(s) meeting the criteria in Article 57 in association with Article 59 of the REACH regulation ((EC) 1907/2006) that are placed on the list of candidates considered for inclusion in annex XIV (substances subject to Authorisation).

No	Substance name	CAS no.	EC no.
1	dicyclohexyl-phthalate	84-61-7	201-545-9

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 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	dibenzoyl peroxide	94-36-0	202-327-6	75
2	dicyclohexyl-phthalate	84-61-7	201-545-9	30, 75

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

This product is subject to Part I of Annex I, risk category: E1, P6b

If the properties of the substance/product give rise to more than one classification, for the purposes of 2012/18/UE, the lowest qualifying quantities set out in Part 1 and Part 2 of Annex I shall apply.

Other regulations

Observe employment restrictions for young people.

Observe employment restrictions for women of child-bearing age.

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.

Trade name: WIDOPAN-Hardener

Current version : 7.3.0, issued: 10.02.2023

Replaced version: 7.2.0, issued: 11.06.2021

Region: GB

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)

H241	Heating may cause a fire or explosion.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Creation of the safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

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.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCÖ GmbH.

Prod-ID 21968