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

#### 1.1 Product identifier

Trade name

## **Motorplast**

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

#### Relevant identified uses of the substance or mixture

Preserving agent

#### Uses advised against

No data available.

#### 1.3 Details of the supplier of the safety data sheet

#### **Address**

Koch-Chemie GmbH Einsteinstr. 42 D-59423 Unna

Telephone no. +49-2303-9 86 70-0 Fax no. +49-2303-9 86 70-26

#### 1.4 Emergency telephone number

No data available.

## **SECTION 2: Hazards identification**

### .1 Classification of the substance or mixture

#### Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Eye Irrit. 2; H319

#### **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

## Hazard statement(s)

H319 Causes serious eye irritation.

#### Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling. P280 Wear protective gloves/eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

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present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

#### 2.3 Other hazards

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		Additio	nal information	
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Concer	ntration	%
	REACH no				
1	2-butoxyethanol				
	111-76-2	Acute Tox. 4; H302	>=	5,00 - < 10,00	wt%
	203-905-0	Acute Tox. 4; H312			
	603-014-00-0	Acute Tox. 4; H332			
	01-2119475108-36	,			
		Skin Irrit. 2; H315			
2	2-Propylheptanol e	thoxylated, propoxylated			
	166736-08-9	Acute Tox. 4; H302	<	2,50	wt%
	605-450-7	Eye Dam. 1; H318			
	-				
	-				
3		ediyl), .alphatridecylomegahydroxy-,			
	branched				
	69011-36-5	Acute Tox. 4; H302	<	2,50	wt%
	-	Eye Dam. 1; H318			
	-				
	-				
4	bronopol		pls. ref	er to footnote (1)	
	52-51-7	Acute Tox. 4*; H302	<	0,10	wt%
	200-143-0	Acute Tox. 4*; H312			
	603-085-00-8	Aquatic Acute 1; H400			
	-	Eye Dam. 1; H318			
		Skin Irrit. 2; H315			
		STOT SE 3; H335			
		Aquatic Chronic 2; H411			

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

(\*,\*\*,\*\*\*\*) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

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

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Acu	Acute toxicity estimate (ATE) values				
No	oral	dermal	inhalative		
1	1746 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.

#### 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.

#### 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

Rinse the mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical advice.

#### 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

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas. Water spray jet; Alcohol-resistant foam; Carbon dioxide; Dry chemical extinguisher

#### 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 monoxide (CO); Carbon dioxide (CO2); Oxides of silica

#### 5.3 Advice for firefighters

Use self-contained breathing apparatus. 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.

#### 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.

#### 6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous



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earth and place in container for disposal according to local regulations (see section 13).

#### 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. Provide eye wash fountain in work area.

#### 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	2-butoxyethanol	111-76-2		203-905-0	
	Occupational Exposure Limit Values (Schedule V, Oc	cupational H	ealth and Saf	ety Authority	Act)
	2-Butoxyethanol				
	WEL short-term (15 min reference period)	246	mg/m³	50	ml/m³
	WEL long-term (8-hr TWA reference period)	98	mg/m³	20	ml/m³
	Occupational Exposure Limit Values (Schedule V, Oc	cupational H	ealth and Saf	ety Authority	Act)
	2-Butoxyethanol				
	WEL short-term (15 min reference period)	246	mg/m³	50	ppm
	WEL long-term (8-hr TWA reference period)	98	mg/m³	20	ppm
	Comments	Skin			
	2000/39/EC				
	2-Butoxyethanol				
	WEL short-term (15 min reference period)	246	mg/m³	50	ppm
	WEL long-term (8-hr TWA reference period)	98	mg/m³	20	ppm
	Skin resorption / sensibilisation	Skin	•	•	

#### **DNEL, DMEL and PNEC values**

#### **DNEL values (worker)**

No	No Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value

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1	2-butoxyethanol			111-76-2	
				203-905-0	
	dermal	Long term (chronic)	systemic	125,00	mg/kg/day
	dermal	Short term (acut)	systemic	89,00	mg/kg/day
	inhalative	Long term (chronic)	systemic	98,00	mg/m³
	inhalative	Short term (acut)	systemic	1091,00	mg/m³
	inhalative	Long term (chronic)	local	246,00	mg/m³

#### **DNEL value (consumer)**

No	Substance name	Substance name			10
	Route of exposure		Value		
1	2-butoxyethanol	·		111-76-2	
				203-905-0	
	oral	Long term (chronic)	systemic	6,30	mg/kg/day
	oral	Short term (acut)	systemic	26,70	mg/kg/day
	dermal	Long term (chronic)	systemic	75,00	mg/kg/day
	dermal	Short term (acut)	systemic	89,00	mg/kg/day
	inhalative	Long term (chronic)	systemic	59,00	mg/m³
	inhalative	Short term (acut)	systemic	426,00	mg/m³
	inhalative	Long term (chronic)	local	147,00	mg/m³

#### **PNEC values**

No	Substance name		CAS / EC	no
	ecological compartment	Туре	Value	
1	2-butoxyethanol		111-76-2 203-905-0	
	water	fresh water	8,80	mg/L
	water	marine water	0,88	mg/L
	water	fresh water sediment	34,60	mg/kg
	with reference to: dry weight			
	water	marine water sediment	3,46	mg/kg
	water	Aqua intermittent	26,4	mg/L
	soil	-	2,33	mg/kg dry weight
	sewage treatment plant	-	463,00	mg/L
	secondary poisoning	-	0,02	g/kg

#### 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.

#### 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 workstation 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

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120 Breakthrough time min

Other

Chemical-resistant work clothes. **Environmental exposure controls** 

No data available.

No Substance name

## **SECTION 9: Physical and chemical properties**

State of aggregation		
liquid		
Form/Colour		
liquid		
red; cloudy		
Odour		
fruity		
pH value		
Value	7,5	
Boiling point / boiling range		
No data available		
Melting point/freezing point		
No data available		
Decomposition temperature		
No data available		
Flash point		
No data available		
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	0,99	g/cm³
Reference temperature	20	°C
Solubility		
No data available		

CAS no.

EC no.

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1 2-butoxyethanol	111-76-2	203-905-0
log Pow	0,8	1
Reference temperature	25	°C
Source	ECHA	

Viscosity
No data available

Particle characteristics
No data available

#### 9.2 Other information

Other information

No data available.

## **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No data available.

#### 10.2 Chemical stability

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

#### 10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

#### 10.4 Conditions to avoid

None, if handled according to intended use.

## 10.5 Incompatible materials

strong oxidizing agents

#### 10.6 Hazardous decomposition products

None, if handled according to intended use.

## **SECTION 11: Toxicological information**

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

Acu	Acute oral toxicity (result of the ATE calculation for the mixture)				
No	Product Name				
1	Motorplast				
Con	nments	The result of the applied calculation method according to the			
		European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6,			
		Part 3 of Annex I is outside the values that imply a classification /			
	labelling of this mixture according to table 3.1.1 defining the				
		respective categories (ATE oral > 2000 mg/kg).			

Acu	Acute oral toxicity						
No	Substance name		CAS no.		EC no.		
1	2-butoxyethanol		111-76-2		203-905-0		
LD5	0			1746	mg/kg bodyweight		
Spe	cies	rat					
Metl	nod	OECD 401					
Sou	rce	ECHA					

Acu	Acute dermal toxicity (result of the ATE calculation for the mixture)				
No	Product Name				
1	Motorplast	Motorplast			
Con	nments	The result of the applied calculation method according to the			
	European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6,				
		Part 3 of Annex I is outside the values that imply a classification /			

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labelling of this mixture according to table 3.1.1 defining the	
respective categories (ATE dermal > 2000 mg/kg).	

Acu	Acute dermal toxicity				
No	Substance name		CAS no.	EC no.	
1	2-butoxyethanol		111-76-2	203-905-0	
LD5	0	>	2000	mg/kg bodyweight	
Spe	cies	guinea pig			
Metl	nod	OECD 402			
Sou	rce	ECHA			

Acu	Acute inhalational toxicity (result of the ATE calculation for the mixture)						
No	Product Name	Product Name					
1	Motorplast						
Comments		The result of the applied calculation method according to the					
		European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6,					
		Part 3 of Annex I is outside the values that imply a classification /					
		labelling of this mixture according to table 3.1.1 defining the					
		respective categories (ATE for inhalation: > 20.000 ppmV (gases), >					
		20 mg/l (vapours), > 5 mg/l (dusts/mists).					

Acu	Acute inhalational toxicity					
No	Substance name		CAS no.		EC no.	
1	2-butoxyethanol		111-76-2		203-905-0	
ATE				1,5	mg/l	
Dura	ation of exposure			4	h	
State	e of aggregation	Dust/mist				
Spe	cies	rat				

Skir	corrosion/irritation					
No	Substance name		CAS no.		EC no.	
1	2-butoxyethanol		111-76-2		203-905-0	
Dura	ation of exposure			4	h	
Spe	cies	rabbit				
Meth	nod	EU B.4				
Soul	rce	ECHA				
Eval	uation	irritant				

Seri	ous eye damage/irritation				
No	Substance name	CAS no.		EC no.	
1	2-butoxyethanol	111-76-2		203-905-0	
Dura	ation of exposure		24	h	
Spe	cies	rabbit			
Meth	nod	OECD 405			
Soul	rce	ECHA			
Eval	uation	Irritating to eyes			

Res	piratory or skin sensitisation		
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
Rou	te of exposure	Skin	
Spec	cies	guinea pig	
Meth	nod	OECD 406	
Soul	ce	ECHA	
Eval	uation	non-sensitizing	

Ger	m cell mutagenicity		
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
Metl	nod	OECD 471	

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Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	

Reproduction toxicity
No data available

Care	cinogenicity		
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
Spe	cies	rat	
Metl	nod	OECD 451	
Sou	rce	ECHA	
Eval	Evaluation/classification Based on available data, the classification criteria are not met.		

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

Toxi	icity to fish (acute)				
No	Substance name	CAS	no.	EC no.	
1	2-butoxyethanol	111-	76-2	203-905-0	
LC5	0	>	1474	mg/l	
Dura	ation of exposure		96	h	
Spe	cies	Oncorhynchus my	kiss		
Meth	nod	OECD 203			
Soul	rce	ECHA			

Toxi	Toxicity to fish (chronic)					
No	Substance name		CAS no.		EC no.	
1	2-butoxyethanol		111-76-2		203-905-0	
NOEC		>		100	mg/l	
Duration of exposure				21	day(s)	
Species		Danio rerio				
Method		OECD 204				
Source		ECHA				

Toxi	Toxicity to Daphnia (acute)				
No	Substance name	CAS no.		EC no.	
1	2-butoxyethanol	111-76-2		203-905-0	
EC5	0		1550	mg/l	
Duration of exposure			48	h	
Species		Daphnia magna			
Method		OECD 202			
		ECHA			

Toxicity to Daphnia (chronic)
-------------------------------

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No	Substance name	CAS no.		EC no.
1	2-butoxyethanol	111-76-2		203-905-0
NOE	EC		100	mg/l
Dura	ation of exposure		21	day(s)
Species		Daphnia magna		
Method		OECD 211		
Sou	rce	ECHA		

Toxi	Toxicity to algae (acute)				
No	Substance name	CAS no.		EC no.	
1	2-butoxyethanol	111-76-2		203-905-0	
EC5	0		911	mg/l	
Duration of exposure			72	h	
Species		Pseudokirchneriella subcapi	tata		
Method		OECD 201			
Source		ECHA			

Toxicity to algae (chronic)	
No data available	

Bacteria toxicity	
No data available	

12.2 Persistence and degradability

Bio	degradability				
No	Substance name	CAS no.		EC no.	
1	2-butoxyethanol	111-76-2		203-905-0	
Туре	e	aerobic biodegradation			
Valu	e		90,4	%	
Dura	ation		28	day(s)	
Method		OECD 301 B			
Source		ECHA			
Eva	luation	readily biodegradable			

12.3 Bioaccumulative potential

Part	Partition coefficient n-octanol/water (log value)				
No	Substance name	CAS no.		EC no.	
1	2-butoxyethanol	111-76-2		203-905-0	
log Pow			0,81		
Reference temperature			25	°C	
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.

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#### 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

#### Droduct

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 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

#### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

#### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

#### 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

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

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The product is considered being subject to REACH regulation (EC) 1907/2006 annex No 3 XVII.

#### 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.

Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.

#### 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. H312 Harmful in contact with skin. H315 Causes skin irritation. H318 Causes serious eye damage. Harmful if inhaled. H332

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H411 Toxic 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.

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