

Trade name: Magic Wheel Cleaner**Product no.:** 425999**Current version :** 2.0.0, issued: 19.04.2021**Replaced version:** 1.0.0, issued: 26.05.2020**Region:** IE**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Magic Wheel Cleaner****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Cleaner

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

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

+353 1 809 2166 (National Poisons Information Centre)

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; H302

Eye Dam. 1; H318

Skin Sens. 1; H317

Met. Corr. 1; H290

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**

GHS05



GHS07

Signal word

Danger

Hazardous component(s) to be indicated on label:

ammonium-mercaptoacetate

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides,

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inner salts

Hazard statement(s)

H290 May be corrosive to metals.
 H302 Harmful if swallowed.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P501 Dispose of contents/container to a facility in accordance with local and national regulations.

Supplemental label elements

Regulation (EC) No 648/2004 on detergents (Annex VII):
 <5% Phosphonate, Phosphate
 <5% non-ionic surfactants
 5-15% amphoteric surfactants
 Perfumings
 BUTHYLPHENYL METHYLPROPIONAL
 CITRONELLOL
 LIMONENE

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		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	ammonium-mercaptoacetate			
	5421-46-5 226-540-9 - 01-2119531489-31	Met. Corr. 1; H290 Acute Tox. 3; H301 Skin Sens. 1; H317	>= 10,00 - < 25,00	wt%
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts			
	97862-59-4 931-296-8 -	Aquatic Chronic 3; H412 Eye Dam. 1; H318	>= 10,00 - < 25,00	wt%

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	01-2119488533-30			
3	D-Glucopyranose, oligomeric, decyl octyl glycosides			
	68515-73-1 500-220-1 - 01-2119488530-36	Eye Dam. 1; H318	< 2,50	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	-	Eye Irrit. 2; H319: C >= 4% Eye Dam. 1; H318: C >= 10%	-	-

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
1	71 mg/kg bodyweight		

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

Ensure supply of fresh air.

After skin contact

When in contact with the skin, clean 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).

After ingestion

Rinse the mouth thoroughly with water. Call a doctor immediately. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position (on left side, with head down).

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**

Water spray jet; Foam; Extinguishing powder; Carbon dioxide

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)

5.3 Advice for firefighters

Wear protective clothing. Use self-contained breathing apparatus. Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

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Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

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

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). 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**

Provide good ventilation at the work area (local exhaust ventilation, if necessary). 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. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Provide eye wash fountain in work area.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed 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

Do not store together with: oxidizing agents

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****DNEL, DMEL and PNEC values****DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	ammonium-mercaptoacetate			5421-46-5 226-540-9	
	dermal	Long term (chronic)	systemic	2,06	mg/kg/day
	dermal	Long term (chronic)	local	0,004	mg/cm ²
	inhalative	Long term (chronic)	systemic	1,41	mg/m ³

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2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts			97862-59-4 931-296-8
	dermal	Long term (chronic)	systemic	12,5 mg/kg/day
	inhalative	Long term (chronic)	systemic	44 mg/m ³
3	D-Glucopyranose, oligomeric, decyl octyl glycosides			68515-73-1 500-220-1
	dermal	Long term (chronic)	systemic	595000 mg/kg/day
	inhalative	Long term (chronic)	systemic	420 mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	ammonium-mercaptoacetate			5421-46-5 226-540-9
	dermal	Long term (chronic)	systemic	0,9 mg/kg/day
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts			97862-59-4 931-296-8
	oral	Long term (chronic)	systemic	7,5 mg/kg/day
	dermal	Long term (chronic)	systemic	7,5 mg/kg/day
3	D-Glucopyranose, oligomeric, decyl octyl glycosides			68515-73-1 500-220-1
	oral	Long term (chronic)	systemic	35,7 mg/kg/day
	dermal	Long term (chronic)	systemic	357000 mg/kg/day
	inhalative	Long term (chronic)	systemic	124 mg/m ³

PNEC values

No	Substance name		CAS / EC no
	ecological compartment	Type	Value
1	ammonium-mercaptoacetate		5421-46-5 226-540-9
	water	fresh water	38 µg/L
	water	marine water	3,8 µg/L
	sewage treatment plant	-	3,2 mg/L
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts		97862-59-4 931-296-8
	water	fresh water	0,013 mg/L
	water	marine water	0,001 mg/L
	water	fresh water sediment	1 mg/kg dry weight
	water	marine water sediment	0,1 mg/kg dry weight
	soil	-	0,8 mg/kg dry weight
	sewage treatment plant	-	3000 mg/L
3	D-Glucopyranose, oligomeric, decyl octyl glycosides		68515-73-1 500-220-1
	water	fresh water	0,176 mg/L
	water	marine water	0,0176 mg/L
	water	Aqua intermittent	0,27 mg/L
	water	fresh water sediment	1,516 mg/kg dry weight
	water	marine water sediment	0,152 mg/kg dry weight
	soil	-	0,654 mg/kg dry weight
	sewage treatment plant	-	560 mg/L
	secondary poisoning	-	111,11 mg/kg food

8.2 Exposure controls

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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 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 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.

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	
liquid	
Form/Colour	
liquid	
colourless; red	
Odour	
characteristic	
pH value	
Value	5 - 6
Boiling point / boiling range	
not determined	
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
Value	> 60 °C
Ignition temperature	
No data available	
Flammability	
No data available	
Lower explosion limit	
No data available	
Upper explosion limit	

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No data available	
Vapour pressure	
No data available	
Relative vapour density	
No data available	
Relative density	
No data available	
Density	
Value	1,12 g/cm ³
Reference temperature	20 °C
Solubility in water	
Comments	miscible
Solubility	
No data available	
Partition coefficient n-octanol/water (log value)	
No data available	
Viscosity	
Value	50 mPa*s
Reference temperature	25 °C
Type	dynamic
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

Oxidizing agents

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	Magic Wheel Cleaner
ATE (Mixture)	400,00 mg/kg

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Method	Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6.
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Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	ammonium-mercaptoacetate	5421-46-5	226-540-9
LD50		35 - 142	mg/kg bodyweight
Species		rat	
Method		OECD 423	
Source		ECHA	
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
LD50		> 2000	mg/kg bodyweight
Species		rat	
Method		OECD 423	
Source		ECHA	

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	ammonium-mercaptoacetate	5421-46-5	226-540-9
LD50		> 2000	mg/kg bodyweight
Species		rat	
Method		OECD 402	
Source		ECHA	
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
LD50		> 2000	mg/kg bodyweight
Species		rabbit	
Method		OECD 402	
Source		ECHA	

Acute inhalational toxicity			
No data available			

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	ammonium-mercaptoacetate	5421-46-5	226-540-9
Species		rabbit	
Method		OECD 404	
Source		ECHA	
Evaluation		low-irritant	

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	ammonium-mercaptoacetate	5421-46-5	226-540-9
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		low-irritant	
2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		Irreversible effects on the eye	

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	ammonium-mercaptoacetate	5421-46-5	226-540-9
Route of exposure		Skin	

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Species	mouse
Method	OECD 429
Source	ECHA
Evaluation	sensitizing
2	D-Glucopyranose, oligomeric, decyl octyl glycosides 68515-73-1 500-220-1
Route of exposure	Skin
Species	guinea pig
Source	ECHA
Evaluation	non-sensitizing

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	ammonium-mercaptoacetate	5421-46-5	226-540-9
Type of examination	in vitro gene mutation study in bacteria		
Species	Salmonella typhimurium		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
NOAEL			
Species	rat		
Method	OECD 421		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

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	ammonium-mercaptoacetate	5421-46-5	226-540-9
LC50	>	100	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		

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2	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
LC50		126	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
NOEC		1,8	mg/l
Duration of exposure		28	day(s)
Species	Brachydanio rerio		
Method	OECD 204		
Source	ECHA		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
EC50	>	100	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
NOEC		1	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	OECD 202		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
EC50		27,22	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
EC50	>	560	mg/l
Duration of exposure		6	h
Species	Pseudomonas putida		
Method	Bringmann and Kuehn (1977)		
Source	ECHA		

12.2 Persistence and degradability

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Biodegradability			
No	Substance name	CAS no.	EC no.
1	D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	500-220-1
Type		DOC decrease	
Value		100	%
Duration		28	day(s)
Method		OECD 301 E	
Source		ECHA	
Evaluation		readily biodegradable	

12.3 Bioaccumulative potential

No data available.

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	8
Classification code	C9
Packing group	III
Hazard identification no.	80
UN number	UN1760

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Proper shipping name	CORROSIVE LIQUID, N.O.S.
Technical name	ammonium-mercaptoacetate
Tunnel restriction code	E
Label	8

14.2 Transport IMDG

Class	8
Packing group	III
UN number	UN1760
Proper shipping name	CORROSIVE LIQUID, N.O.S.
Technical name	ammonium-mercaptoacetate
EmS	F-A, S-B
Label	8

14.3 Transport ICAO-TI / IATA

Class	8
Packing group	III
UN number	UN1760
Proper shipping name	Corrosive liquid, n.o.s.
Technical name	ammonium-mercaptoacetate
Label	8

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

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.	No 3
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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.
The surfactants contained in this product comply with the DetVO 648/2004/EC.

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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)

H301 Toxic if swallowed.

H412 Harmful to aquatic life with long lasting effects.

Creation of the safety data sheet

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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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