Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

CECKART

HYDROSHINE WS 4001

Version 4.0

Revision Date 14.12.2023

Print Date 04.12.2024

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

1.1 Product identifier

Trade name	: HYDROSHINE WS 4001
Material number	: 053471AN0

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

This information is not available.

1.3 Details of the supplier of the safety data sheet

Company	: ECKART GmbH
	Guentersthal 4
	91235 Hartenstein
Telephone	: +499152770
Telefax	: +499152777008
E-mail address	: msds.eckart@altana.com
Responsible/issuing person	

1.4 Emergency telephone number

NCEC: (contract no.: ECKART29003-NCEC) +44 1235 239671 (Middle East/Africa, call and response in your language) +1 215 207 0061 (Americas, call and response in your language) +65 3158 1074 (Asia-Pacific, call and response in your language)

SECTION 2: Hazards identification

GHS Classification

: Flammable liquids, Category 2, H225 Acute toxicity, Category 5, Oral, H303 Acute toxicity, Category 5, Inhalation, H333

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HYDROSHINE WS 400	1	
Version 4.0	Revision Date 14.12.2023	Print Date 04.12.2024
	Acute toxicity, Category 5, Derma Skin corrosion/irritation, Categor Serious eye damage/eye irritation Specific target organ toxicity - sir Central nervous system, H336	y 3, H316 n, Category 2A, H319
GHS-Labelling		
Symbol(s)		
Signal word	: Danger	
Hazard statements	 H225: Highly flammable liquid an H303 + H313 + H333: May be ha with skin or if inhaled. H316: Causes mild skin irritation. H319: Causes serious eye irritation. H336: May cause drowsiness or 	armful if swallowed, in contact on.
Precautionary statements	 Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P264 Avoid breathing mist or vapours. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection. Response: P301 + P304 + P317 IF SWALLOWED OR IF INHALED: Get medical help. 	
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	P303 + P361 + P353 + P317 IF ON immediately all contaminated clothing. Get medical help.	
	P304 + P340 + P319 IF INHALED: air and keep comfortable for breathing feel unwell.	
	P305 + P351 + P338 IF IN EYES: F water for several minutes. Remove co and easy to do. Continue rinsing.	5
	P332 + P317 If skin irritation occurs P337 + P317 If eye irritation persists P370 + P378 In case of fire: Use dry	
	alcohol-resistant foam to extinguish. Storage:	
		ed place. Keep container
	P403 + P235 Store in a well-ventilat P405 Store locked up.	ed place. Keep cool.
	Disposal: P501 Dispose of contents/ containe disposal plant.	r to an approved waste
Hazardous compon	ents which must be listed on the label	
-		

Identification	CAS-No.
propan-2-ol	67-63-0
2-butoxyethanol	111-76-2

SECTION 3: Composition/information on ingredients

:

Substance No.

Hazardous components

	Chemical name	CAS-No. EINECS-No.	Classification labelling	and	Concentration[%]
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propan-2-ol	67-63-0 200-661-7	Flam. Liq.;2;H225 Acute Tox.;5;H303 Acute Tox.;5;H313 ;2A;H319 STOT SE;3;H336	50 - 100
2-butoxyethanol	111-76-2 203-905-0	Flam. Liq.;4;H227 Acute Tox.;4;H302 Acute Tox.;3;H331 ;2;H315 ;2A;H319	1 - 10
aluminium	7429-90-5 231-072-3	Flam. Sol.;1;H228	1 - 10

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	: Move the victim to fresh air. Move out of dangerous area. Show this safety data sheet to the	the doctor in attendance.	
If inhaled	: Consult a physician after signif If unconscious, place in recover advice.	icant exposure.	
In case of skin contact			
In case of eye contact	 Immediately flush eye(s) with plenty of water. Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. 		
If swallowed	: Keep respiratory tract clear.		
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Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

This information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

This information is not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media	
Suitable extinguishing media	: Dry sand, ABC powder, Foam
Unsuitable extinguishing media	: High volume water jet, Carbon dioxide (CO2)
5.2 Special hazards arising from	the substance or mixture
Specific hazards during firefighting	: Do not allow run-off from fire fighting to enter drains or water courses.
5.3 Advice for firefighters	
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: Evacuate personnel to safe areas.
	Use personal protective equipment.
	Ensure adequate ventilation.
	Remove all sources of ignition.
	Evacuate personnel to safe areas.
	Beware of vapours accumulating to form explosive
	concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

General advice	:	The product should not be allowed to enter drains, water courses or the soil. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
----------------	---	--

This information is not available.

6.3 Methods and materials for containment and cleaning up

: Use mechanical handling equipment.
Soak up with inert absorbent material (e.g. sand, silica gel,
acid binder, universal binder, sawdust).
Contain spillage, and then collect with non-combustible
absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Do not flush with water.

6.4 Reference to other sections

For personal protection see section 8.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	:	Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.
Advice on protection against fire and explosion	:	Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.
Hygiene measures	:	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	: Earthing of containers and apparatuses is essential. Reaction with water liberates extremely flammable gas (hydrogen) Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking. Keep container closed when not in use.		
	No smoking. Keep container tightly closed in a dry and well- ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.		
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Further information on storage conditions	Protect from humidity and water.	
Advice on common storage	Do not store near acids. Do not store together with oxidizin and self-igniting products. Never allow product to get in contact with water during storage. Keep away from oxidizi agents, strongly alkaline and strongly acid materials in ord avoid exothermic reactions.	ng
Other data	No decomposition if stored and applied as directed.	

7.3 Specific end use(s)

This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Germany:

Page

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
propan-2-ol	67-63-0	AGW	200 ppm 500 mg/m3	2006-01-01	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		place dangerous compliance with	sion for the review of s for the health (MA the OEL and biologing the unborn child	K-commission).	When there is
2- butoxyethano I	111-76-2	TWA	20 ppm 98 mg/m3	2000-06-16	2000/39/EC
Further information		Identifies the possibility of significant uptake through the			n the
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		skinIndicative					
2- butoxyethano I	111-76-2	STEL	50 ppm 246 mg/m3	2000-06-16	2000/39/EC		
Further information		Identifies the po skinIndicative	Identifies the possibility of significant uptake through the skinIndicative				
2- butoxyethano I	111-76-2	AGW	10 ppm 49 mg/m3	2019-03-29	DE TRGS 900		
Peak-limit: excursion factor (category)		2;(l)	•	·	•		
Further information		Skin absorptionWhen there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child					
aluminium	7429-90-5	AGW (Inhalable fraction)	10 mg/m3	2021-07-02	DE TRGS 900		
Peak-limit: excursion factor (category)		2;(II)					
Further information		When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child					
aluminium	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m3	2021-07-02	DE TRGS 900		
Peak-limit: excursion factor (category)		2;(II)		·	·		
Further information		When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child					
silicon dioxide	7631-86-9	AGW (Inhalable fraction)	4 mg/m3	2013-09-19	DE TRGS 900		
Further information		Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).Colloidal amorphous silica, including pyrogenic silica and in wet processes manufactured silica (precipitated silica, silicagel).When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child					

United States of America (USA):

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Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
propan-2-ol	67-63-0	TWA	200 ppm	2013-03-01	
propan-2-ol	67-63-0	STEL	400 ppm	2013-03-01	
propan-2-ol	67-63-0	TWA	400 ppm 980 mg/m3	2013-10-08	
propan-2-ol	67-63-0	ST	500 ppm 1 225 mg/m3	2013-10-08	
propan-2-ol	67-63-0	TWA	400 ppm 980 mg/m3	1997-08-04	
propan-2-ol	67-63-0	TWA	400 ppm 980 mg/m3	1989-01-19	
propan-2-ol	67-63-0	STEL	500 ppm 1 225 mg/m3	1989-01-19	
propan-2-ol	67-63-0	PEL	400 ppm 980 mg/m3	2014-11-26	
propan-2-ol	67-63-0	STEL	500 ppm 1 225 mg/m3	2014-11-26	
2- butoxyethano I	111-76-2	TWA	20 ppm	2013-03-01	
2- butoxyethano I	111-76-2	TWA	5 ppm 24 mg/m3	2013-10-08	
2- butoxyethano I	111-76-2	TWA	50 ppm 240 mg/m3	1997-08-04	
2- butoxyethano I	111-76-2	TWA	25 ppm 120 mg/m3	1989-01-19	
2- butoxyethano I	111-76-2	PEL	20 ppm 97 mg/m3	2014-11-26	
aluminium	7429-90-5	TWA (total dust)	50 Million particles per cubic foot	2012-07-01	
aluminium	7429-90-5	TWA (Respirable)	5 mg/m3	2013-10-08	
aluminium	7429-90-5	TWA (total dust)	15 mg/m3	2012-07-01	
aluminium	7429-90-5	TWA (total)	10 mg/m3	2013-10-08	
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aluminium	7429-90-5	TWA (respirable fraction)	5 mg/m3	2012-07-01
aluminium	7429-90-5	TWA (respirable fraction)	15 Million particles per cubic foot	2012-07-01
aluminium	7429-90-5	PEL (Total dust)	10 mg/m3	2014-11-26
aluminium	7429-90-5	PEL (respirable dust fraction)	5 mg/m3	2014-11-26
aluminium	7429-90-5	TWA (Respirable particulate matter)	1 mg/m3	2008-01-01
aluminium	7429-90-5	TWA	5 mg/m3	2005-09-01
aluminium	7429-90-5	TWA (Total)	15 mg/m3	1989-01-19
aluminium	7429-90-5	TWA (Respirable fraction)	5 mg/m3	1989-01-19
aluminium	7429-90-5	TWA (total dust)	15 mg/m3	2011-07-01
aluminium	7429-90-5	TWA (respirable fraction)	5 mg/m3	2011-07-01
aluminium	7429-90-5	TWA (Total dust)	15 mg/m3	1989-01-19
aluminium	7429-90-5	TWA (respirable dust fraction)	5 mg/m3	1989-01-19
aluminium	7429-90-5	TWA (welding fumes)	5 mg/m3	2013-10-08
aluminium	7429-90-5	TWA (pyro powders)	5 mg/m3	2013-10-08
aluminium	7429-90-5	TWA (Respirable particulate matter)	1 mg/m3	2013-03-01
aluminium	7429-90-5	TWA (Fumes)	5 mg/m3	1989-01-19
aluminium	7429-90-5	PEL (Welding fumes)	5 mg/m3	2017-10-02
aluminium	7429-90-5	PEL (Pyro powders)	5 mg/m3	2017-10-02
aluminium	7429-90-5	TWA (powder)	5 mg/m3	1989-01-19
silicon dioxide	7631-86-9	TWA (Dust)	20 Million particles per cubic foot	2012-07-01
silicon dioxide	7631-86-9	TWA (Dust)	80 mg/m3/ %SiO2	2012-07-01
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silicon dioxide	7631-86-9	TWA	6 mg/m3	2013-10-08	
silicon dioxide	7631-86-9	PEL	6 mg/m3	2014-11-26	

8.2 Exposure controls

Personal protective equipment	t
Eye protection	Goggles Wear face-shield and protective suit for abnormal processing problems.
Hand protection	
Material	Solvent-resistant gloves (butyl-rubber)
Remarks	Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). The exact break through time can be obtained from the protective glove producer and this has to be observed. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
	Recommended preventive skin protection Skin should be washed after contact.
	The suitability for a specific workplace should be discussed with the producers of the protective gloves.
	The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Skin and body protection	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory protection	Use suitable breathing protection if workplace concentration requires.

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	: In the case of vapour formation use approved filter.	a respirator with an
Environmental exposu	ire controls	
General advice	 The product should not be allowed t courses or the soil. Prevent product from entering drains Prevent further leakage or spillage it 	5.
	If the product contaminates rivers ar respective authorities.	nd lakes or drains inform

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid	
Colour	: silver	
Odour	: characteristic	
рН	: 6 - 8, 100 %	
Melting point/range	: Not applicable	
Boiling point/boiling range	: 82 °C	
Flash point	: 14 °C	
Bulk density	: No data available	
Flammability (solid, gas)	: No data available	
Auto-flammability	: No data available	
Upper explosion limit	: 12 %(V)	
Lower explosion limit	: 2 %(V)	
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Vapour pressure	: No data available
Density	: 0,8 - 1,1 g/cm3
Solubility(ies)	
Water solubility	: insoluble
Miscibility with water	: partly miscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Flow time	: No data available

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Contact with acids and alkalis may release hydrogen.

Stable under recommended storage conditions.

Vapours may form explosive mixture with air.

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10.4 Conditions to avoid		
Conditions to avoid	: Do not allow evaporation to dry	ness.
0.5 Incompatible materials	Heat, flames and sparks.	
Materials to avoid	: Acids Bases Oxidizing agents	
10.6 Hazardous decompositio	n products	
Other information	: No data available	
-		
11.1 Information on toxicologi		
11.1 Information on toxicologi Acute toxicity		
11.1 Information on toxicologi Acute toxicity <u>Components:</u>		
11.1 Information on toxicologi Acute toxicity <u>Components:</u>		
11.1 Information on toxicologi Acute toxicity <u>Components:</u> propan-2-ol :	ical effects	
11.1 Information on toxicologi Acute toxicity <u>Components:</u> propan-2-ol : Acute oral toxicity Acute dermal toxicity 2-butoxyethanol :	ical effects : LD50 Rat: > 2 000 mg/kg : LD50 Rabbit: > 2 000 mg/kg	ma/ka
propan-2-ol : Acute oral toxicity	ical effects : LD50 Rat: >2 000 mg/kg	mg/kg
11.1 Information on toxicologi Acute toxicity <u>Components:</u> propan-2-ol : Acute oral toxicity Acute dermal toxicity 2-butoxyethanol :	 ical effects : LD50 Rat: > 2 000 mg/kg : LD50 Rabbit: > 2 000 mg/kg : Acute toxicity estimate : 1 200 mg/kg 	mg/kg

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Test atmosphere: vapour

Method: Expert judgement

Skin corrosion/irritation

Product

May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Product

Eye irritation

Respiratory or skin sensitisation

No data available

Carcinogenicity

No data available

Toxicity to reproduction/fertility

No data available

Reprod.Tox./Development/Teratogenicity

No data available

STOT - single exposure

No data available

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STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information

Product

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

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12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Product:

Additional ecological information

: No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	 Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. In accordance with local and national regulations.
Contaminated packaging	 Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum. In accordance with local and national regulations.

SECTION 14: Transport information

14.1 UN number	
ADR	: 1263
TDG	: 1263
CFR	: 1263

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IMDG		1263	
ΙΑΤΑ	:	1263	
14.2 Proper shipping name			
ADR	:	PAINT	
TDG	:	PAINT	
CFR	:	PAINT	
IMDG	:	PAINT Classified according to 2.3.2	2.2 IMDG-Code
ΙΑΤΑ	:	PAINT classified according to 3.3.3	3.1 IATA-DGR
14.3 Transport hazard class			
ADR	:	3	
TDG	:	3	
CFR	:	3	
IMDG	:	3	
ΙΑΤΑ	:	3	
14.4 Packing group			
ADR			
Packaging group	:	III	
Classification Code	:	F1	
Hazard Identification Number	:	30	
Labels	:	3	
Tunnel restriction code	:	(E)	
TDG			
Packaging group	:	III	
Labels	:	3	
CFR			
Packaging group	:	III	

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Labels	: 3	
IMDG		

Packaging group	: 111	
Labels	: 3	
EmS Code	: F-E, <u>S-E</u>	Ξ
ΙΑΤΑ		
Packing instruction (cargo aircraft)	: 366	
Packing instruction (passenger aircraft)	: 355	
Packing instruction (LQ)	: Y344	
Packaging group	: 111	
Labels	: 3	

14.5 Environmental hazards

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Candidate List of Substances of Very High	: Not applicable
Concern for Authorisation (Article 59).	
REACH - List of substances subject to authorisation	: Not applicable
(Annex XIV)	

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Regulation (EC) No 1005/2009 or deplete the ozone layer	substances that :	Not applicable	
Regulation (EU) 2019/1021 on pe pollutants (recast)	rsistent organic :	Not applicable	
REACH - Restrictions on the man the market and use of certain dan mixtures and articles (Annex XVII)	gerous substances,		
REACH - Restrictions on the man the market and use of certain dan mixtures and articles (Annex XVII)	ufacture, placing on : gerous substances,	Banned and/or re (propan-2-ol) (2-butoxyethanol (aluminium powe)

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H-Statements		
H225	:	Highly flammable liquid and vapour.
H227	:	Combustible liquid.
H228	:	Flammable solid.
H302	:	Harmful if swallowed.
H303	:	May be harmful if swallowed.
H303 + H313 + H333	:	May be harmful if swallowed, in contact with skin or if inhaled.
H313	:	May be harmful in contact with skin.
H315	:	Causes skin irritation.
H316	:	Causes mild skin irritation.
H319	:	Causes serious eye irritation.
H331	:	Toxic if inhaled.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or guality specification. The information relates only to the

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specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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