



UC2K HD Coating Base

PRODUCT: UNICOATINGS
 SDS PREPARATION DATE: 03 September 2015,
 updated 09 May 2016

PRODUCT NUMBER: UC 2K HD BASE – UN1263
 MEETS GHS AND ISO 11014-1

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

1.1 PRODUCT/TRADE NAME

UNICOATINGS - UC 2K HD base (product nr. UN-1263)

1.2 RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Base for two-component lacquer systems
 - Relevant identified uses of the substance or mixture and uses advised against:
 No further relevant information available.

1.3 SUPPLIER DETAILS

UC International Marine BV i.o.
 Beatrixhaven 19
 4251 NK Werkendam, The Netherlands
 T +31(0) 183 69 10 10
 www.ucinternationalmarine.com

1.4 EMERGENCY TELEPHONE NUMBER

+31(0) 183 69 10 10

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Physical hazards: Not classified for physical hazards.
 Health hazards: Acute toxicity, oral, skin corrosion/irritation and may cause sensitization by skin contact
 Environmental hazards: Harmful

GHS HAZARD STATEMENTS:

H302: Harmful if swallowed.
 H314: Causes severe skin burns and eye damage.
 H317: May cause an allergic skin reaction.

GHS label elements, including precautionary statements:

GHS02 GHS07 GHS06



HAZARD STATEMENTS

H226+H225	Flammable liquid and vapour.
H301	Toxic if swallowed
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

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PRECAUTIONARY STATEMENT

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting/equipment.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P303+P352+P361: IF ON SKIN: Wash with plenty of soap and water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention

OTHER HAZARDS:

This product does not contain substances which are classified as persistent, bio-accumulative and/or toxic (PBT) or very persistent and very bio-accumulative (vPvB)

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MIXTURES OF BELOW LISTED SUBSTANCES AND OTHER UNLISTED INGREDIENTS. UNLISTED INGREDIENTS ARE NOT "HAZARDOUS" PER THE GHS CLASSIFICATION.

3. COMPOSITION/INFORMATION ON INGREDIENTS AND SUBSTANCE CHEMICAL IDENTITY

3.1 SUBSTANCES

This product is a mixture.

3.2 MIXTURES

Epoxy resins in solvents with additives.

Hazardous ingredients

4,4'-Isopropylidenedicyclohexanol, polymer with (chloromethyl)oxirane

EC No 500-070-7

CAS No 30583-72-3

Content 10 - < 20 %

Classification according to Directive 67/548/EEC

Classification according to Regulation (EC) No 1272/2008

Xi; R36/38 – R43

Skin Irrit. 2; H315 – Skin Sens. 1; H317 – Eye Irrit. 2; H319

2-Butoxyethanol

EC No 203-905-0

CAS No 111-76-2

Content < 5 %

Classification according to Directive 67/548/EEC

Classification according to Regulation (EC) No 1272/2008

For this substance there is a Community workplace exposure limit (see section 8).

Index No 603-014-00-0

Xn; R20/21/22 – Xi; R36/38

Acute Tox. 4; H302, H312, H332 – Eye Irrit. 2; H319 – Skin Irrit. 2; H315

n-Butyl acetate

EC No 204-658-1

CAS No 123-86-4

Content < 5 %

Classification according to Directive 67/548/EEC

Classification according to Regulation (EC) No 1272/2008

Index No 607-025-00-1

R10 – R66 – R67

Flam. Liq. 3; H226 – STOT SE 3; H336 – EUH066

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

EC No 255-437-1

CAS No 041556-26-7

Content 1 - < 2.5 %

Classification according to Directive 67/548/EEC

Classification according to Regulation (EC) No 1272/2008

Registration No 01-2119491304-40-0000

N; R50-R53 – R43

Aquatic Acute 1; H400 – Aquatic Chronic 1; H410 – Skin Sens. 1; H317

Methyl-1,2,2,6,6-pentamethyl-4-piperidyl sebacate

EC No 280-060-4

CAS No 082919-37-7

Content < 1 %

Classification according to Directive 67/548/EEC

Classification according to Regulation (EC) No 1272/2008

Registration No 01-2119491304-40-0000

N; R50-R53 – R43

Aquatic Acute 1; H400 – Aquatic Chronic 1; H410 – Skin Sens. 1; H317

Methanol

EC No 200-659-6

CAS No 67-56-1

Content < 0.4 %

Classification according to Directive 67/548/EEC

Classification according to Regulation (EC) No 1272/2008

Index No 603-001-00-X

Registration No 01-2119433307-44

F; R11 – T; R23/24/25-R39/23/24/25

Flam. Liq. 2; H225 – Acute Tox. 3; H331, H311, H301 – STOT SE 1; H370

For this substance there is a Community workplace exposure limit (see section 8).

The text of the hazard statement codes is in section 16.

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4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE

Consult a physician. Show this safety data sheet to the doctor in attendance.

IF INHALED

In case of inhalation of vapours: remove the person to fresh air, in case of indisposition obtain medical advice.

IN CASE OF SKIN CONTACT

Take off contaminated clothing. Wash off affected skin with plenty of water using soap in case of indisposition obtain medical advice.

IN CASE OF EYE CONTACT

Spreading the eyelids, rinse thoroughly under running water, see an eye specialist.

IF SWALLOWED

Make the person rinse out the mouth and drink plenty of water, call a physician.

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.

5. FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media

Sprinkling water, solid extinguishing agent, CO₂, foam resistant to alcohol.

Unsuitable extinguishing media

Direct water-jet.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Thermal decomposition to carbon monoxide and organic cracked products.

5.3 ADVICE FOR FIREFIGHTERS

Tightly closing fireproof clothing and oxygen apparatus.

5.4 FURTHER INFORMATION

No data available.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

See section 8 "Exposures controls/personal protection".

6.2 ENVIRONMENTAL PRECAUTIONS

Prevent further leakage or spillage if safe to do so. Do not allow the product to enter waters. Discharge into the environment must be avoided.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Pick up with an inert absorbable material and dispose according to local regulations, unless otherwise usable.

6.4 REFERENCE TO OTHER SECTIONS

For disposal, see section 13

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Keep container cool and tightly closed, take care of sufficient ventilation.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep away container from concentrated mineral acids and strong oxidising agents. Cool endangered containers with sprinkling water. Before decanting earth containers because of danger of electrostatic charges.

7.3 SPECIFIC END USES

No data available.

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8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Substances for which there are Community workplace exposure limits:

2-Butoxyethanol

EC No 203-905-0	CAS No 111-76-2	Index No 603-014-00-0
Limit value (eight hours)	98 mg/m ³ (20 ppm)	
Limit value (15 minutes)	246 mg/m ³ (50 ppm)	
Resorption by skin	Applicable.	

Methanol

EC No 200-659-6	CAS No 67-56-1	Index No 603-001-00-X	Registration No 01-2119433307-44
Limit value (eight hours)	260 mg/m ³ (200 ppm)		
Limit value (15 minutes)	Not available.		
Resorption by skin	Applicable.		

Components with workplace control parameters (TRGS 900 Germany):

2-Butoxyethanol

EC No 203-905-0	CAS No 111-76-2	Index No 603-014-00-0
AGW	10 ml/m ³ (ppm) – 49 mg/m ³	
Peak limit factor of exceeding	4(II)	
Remarks	H, Y, AGS	

n-Butyl acetate

EC No 204-658-1	CAS No 123-86-4	Index No 607-025-00-1
AGW	62 ml/m ³ (ppm) – 300 mg/m ³	
Peak limit factor of exceeding	2(I)	
Remarks	AGS, Y	

Methanol

EC No 200-659-6	CAS No 67-56-1	Index No 603-001-00-X	Registration No 01-2119433307-44
AGW	200 ml/m ³ (ppm) – 270 mg/m ³		
Peak limit factor of exceeding	4(II)		
Remarks	DFG, EU, H, Y		

Components with workplace control parameters (TRGS 903 Germany):

2-Butoxyethanol

EC No 203-905-0	CAS No 111-76-2	Index No 603-014-00-0
BGW	100 mg/l	
Parameter	Butoxyacetic acid	
Testing material	Urine	
Time of sampling	Long time exposure: after several preceding shifts.	

Methanol

EC No 200-659-6	CAS No 67-56-1	Index No 603-001-00-X	Registration No 01-2119433307-44
BGW	30 mg/l		
Parameter	Methanol		
Testing material	Urine		
Time of sampling	End of exposure or shift. Long time exposure: after several preceding shifts.		

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8.2 EXPOSURE CONTROLS

Appropriate engineering controls
 Avoid contact with the skin and the eyes. When using do not eat, drink or smoke; preventive skin protection.

Personal protective equipment

Respiratory protection

In case of exceeding of permitted exposure limit in closed rooms use a self-contained breathing apparatus.

Eye protection

Use tightly closing protective goggles with lateral protection.

Skin protection

Use protective gloves according to EN 374-2 consisting of butyl rubber, layer thickness 0.5 mm, breakthrough time > 480 min. or fluorocarbon rubber, layer thickness 0.4 mm, breakthrough time > 480 min.

Body Protection

Use protective clothing consisting of rubber or plastics.

8.3 EXPOSURE CONTROLS METHANOL

(CAS No 67-56-1 Index No 603-001-00-X Registration No 01-2119433307-44)

EU	IOELV TWA (mg/m ³)	260 mg/m ³
EU	IOELV TWA (ppm)	200 ppm
EU	Notes	Skin

Australia	Local name	Methanol (methyl alcohol)
Australia	MAK (ppm)	200ppm
Australia	MAK	328 mg/m ³

Austria	Local name	Methanol
Austria	MAK (mg/m ³)	260 mg/m ³
Austria	MAK (ppm)	200 ppm
Austria	MAK Short time value (mg/m ³)	1040 mg/m ³
Austria	MAK Short time value (ppm)	800 ppm
Austria	Remark (AT)	H

Belgium	Local name	Alcool méthylique
Belgium	Limit value (mg/m ³)	266 mg/m ³
Belgium	Limit value (ppm)	200 ppm
Belgium	Short time value (mg/m ³)	333 mg/m ³
Belgium	Short time value (ppm)	250 ppm
Belgium	Remark (BE)	D

Czech Republic	Local name	Methanol
Czech Republic	Expoziční limity (PEL) (mg/m ³)	250 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	189 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	1000 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	750 ppm
Czech Republic	Remark (CZ)	D

Denmark	Local name	Methanol
Denmark	Grænseværdie (langvarig) (mg/m ³)	260 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	200 ppm
Denmark	Grænseværdie (kortvarig) (mg/m ³)	520 mg/m ³
Denmark	Grænseværdie (kortvarig) (ppm)	400 ppm
Denmark	Anmærkninger (DK)	EH

Finland	Local name	Metanoli
Finland	HTP-arvo (8h) (mg/m ³)	270 mg/m ³
Finland	HTP-arvo (8h) (ppm)	200 ppm
Finland	HTP-arvo (15 min)	330 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	250 ppm
Finland	Huomautus (FI)	iho

France	Local name	Alcool méthylique
France	VME (mg/m ³)	260 mg/m ³
France	VME (ppm)	200 ppm
France	VLE (mg/m ³)	1300 mg/m ³
France	VLE (ppm)	1000 ppm
France	Note (FR)	Peau

Germany	Local name	Methanol
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	270 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	200 ppm
Germany	TRGS 900 Limitation of exposure peaks (mg/m ³)	1080 mg/m ³
Germany	TRGS 900 Limitation of exposure peaks (ppm)	800 ppm
Germany	Remark (TRGS 900)	DFG,EU,H,Y
Germany	TRGS 903 (BGW)	30 mg/l
Germany	Remark (TRGS 903) (Urin; bei Langzeitexposition/Expositionsende bzw. Schichtende)	

SAFETY DATA SHEET

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Greece OEL TWA (mg/m³) 260 mg/m³
 Greece OEL TWA (ppm) 200 ppm
 Greece OEL STEL (mg/m³) 325 mg/m³
 Greece OEL STEL (ppm) 250 ppm

Hungary Local name METIL-ALKOHOL
 Hungary AK-érték 260 mg/m³
 Hungary Megjegyzések (HU) b, i; II.1.

Ireland Local name Methanol
 Ireland OEL (8 hours ref) (mg/m³) 260 mg/m³
 Ireland OEL (8 hours ref) (ppm) 200 ppm
 Ireland Notes (IE) Sk, IOELV

Italy Local name Metanolo
 Italy OEL TWA (mg/m³) 260 mg/m³
 Italy OEL TWA (ppm) 200 ppm

Latvia Local name Metanols (metilspirts, karbinols)
 Latvia OEL TWA (mg/m³) 260 mg/m³
 Latvia OEL TWA (ppm) 200 ppm

Lithuania Local name Metanolis (metilo alkoholis)
 Lithuania IPRV (mg/m³) 260 mg/m³
 Lithuania IPRV (ppm) 200 ppm
 Lithuania Remark (LT) 0

Netherlands Local name Methanol
 Netherlands Grenskaarde TGG 8H (mg/m³) 133 mg/m³
 Netherlands Grenskaarde TGG 8H (ppm) 200 ppm
 Netherlands Grenskaarde TGG 15MIN (mg/m³) 520 mg/m³
 Netherlands Grenskaarde TGG 15MIN (ppm) 400 ppm
 Netherlands Remark (MAC) H

Poland Local name Metanol (metylowy alkohol)
 Poland NDS (mg/m³) 100 mg/m³
 Poland NDSCh (mg/m³) 300 mg/m³

Portugal Local name Metanol (Álcool metílico)
 Portugal OEL TWA (ppm) 200 ppm
 Portugal OEL STEL (ppm) 250 ppm

Romania Local name Alcool metilic
 Romania OEL TWA (mg/m³) 260 mg/m³
 Romania OEL TWA (ppm) 200 ppm
 Romania OEL STEL (ppm) 5 ppm

Slovakia NPHV (priemerná) (mg/m³) 260 mg/m³ poznámka K
 Slovakia NPHV (priemerná) (ppm) 200 ppm poznámka K 30 ppm
 (Metanol)

Spain VLA-ED (mg/m³) 266 mg/m³ vía dérmica,VLB, VLI
 Spain VLA-ED (ppm) 200 ppm vía dérmica,VLB, VLI 15 ppm F, I
 "(Alcohol metílico en orina; Final de la jornada laboral 2)"
 Spain VLA-EC (mg/m³) 333 mg/m³ vía dérmica,VLB, VLI
 Spain VLA-EC (ppm) 250 ppm vía dérmica,VLB, VLI

Sweden Local name Methanol
 Sweden nivågränsvärde (NVG) (mg/m³) 250 mg/m³
 Sweden nivågränsvärde (NVG) (ppm) 200 ppm
 Sweden kortidsvärde (KTV) (mg/m³) 350 mg/m³
 Sweden kortidsvärde (KTV) (ppm) 250 ppm
 Sweden Anmärkning (SE) H

United Kingdom Local name Methanol
 United Kingdom WEL TWA (mg/m³) 266 mg/m³
 United Kingdom WEL TWA (ppm) 200 ppm
 United Kingdom WEL STEL (mg/m³) 333 mg/m³
 United Kingdom WEL STEL (ppm) 250 ppm
 United Kingdom Remark (WEL) Sk

Norway Local name Metanol
 Norway Gjennomsnittsverdier (AN) (mg/m³) 130 mg/m³
 Norway Gjennomsnittsverdier (AN) (ppm) 100 ppm
 Norway Merknader (NO) H

USA - ACGIH Local name Methanol
 USA - ACGIH ACGIH TWA (mg/m³) 262 mg/m³
 USA - ACGIH ACGIH TWA (ppm) 200 ppm
 USA - ACGIH ACGIH STEL (mg/m³) 327 mg/m³
 USA - ACGIH ACGIH STEL (ppm) 250 ppm
 USA - ACGIH Remark (ACGIH) Headache; eye dam; dizziness;
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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance		Aggregate state liquid
Colour		Yellowish
Odour		Ester-like
Melting point/freezing point		Not available.
Initial boiling point/boiling range		Not available.
Flash point		25°C
pH	(T = 20 °C)	Not available.
Flammability		Flammable.
Ignition temperature		Not available.
Auto flammability		Not applicable.
Oxidising properties		Not applicable.
Explosive properties		For vapour/air mixtures.
Explosion limits	lower	Not available.
	upper	Not available.
Density	(T = 20 °C)	1.09 g/ml
Water solubility	(T = 20 °C)	Practically insoluble (decomposition by hydrolysis)
Vapour pressure	(T = 20 °C)	Not available.
Vapour density	(air = 1)	Not available.
Partition coefficient	(n-octanol/water)	Not available.
Viscosity	(T = 20 °C)	Not available.
Separation of solvent		Not applicable.
Content of solvents (VOC EU)		30 g/l
Evaporation rate		Not available.

9.2 OTHER INFORMATION

No data available.

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10. STABILITY AND REACTIVITY

10.1 REACTIVITY

No data available.

10.2 CHEMICAL STABILITY

This product is stable.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Strong oxidising agents and concentrated mineral acids.

10.4 CONDITIONS TO AVOID

No data available.

10.5 INCOMPATIBLE MATERIALS

Water.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

In case of fire only, see section 5.2.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Mixtures

Acute toxicity

No data available.

Irritation

This product is irritating to eyes and skin.

Corrosivity

No data available.

Sensitisation

This product causes sensitisation by skin contact.

Repeated dose toxicity

No data available.

Carcinogenicity

No data available.

Mutagenicity

No data available.

Toxicity for reproduction

No data available.

Signs and symptoms of exposure

See section 4.2.

Additional information

No data available.

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.

12.5 RESULTS OF PBT AND VPVB ASSESSMENT

According to the available statements the criteria are not fulfilled for the classification as a PBT or vPvB.

12.6 OTHER ADVERSE EFFECTS

Spilling product harms waters by high consumption of oxygen and general pollution impact.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Dangerous waste according to the European waste catalogue (2000/532/EC). If recycling is not possible, wastes must be eliminated according to the provisions of the local authorities. Do not dispose by the sewage.

Waste codes

20 01 27 Paint, inks, adhesives and resins containing dangerous substances.

15 01 10 Packaging containing residues of or contaminated by dangerous substances.

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14. TRANSPORT INFORMATION

14.1 UN NUMBER

1263

14.2 PROPER SHIPPING NAME

ADR/RID
 Paint.

IMDG-Code / ICAO-TI / IATA-DGR
 Paint.

14.3 TRANSPORT HAZARD CLASS(ES)

3 (flammable liquids)

14.4 PACKING GROUP

III (substances presenting low danger)

14.5 ENVIRONMENTAL HAZARDS

Labelling of environmentally dangerous substances
 ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR Not applicable. Marine Pollutant
 Not applicable.

14.6 SPECIAL PRECAUTIONS FOR USER

Not available.

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not applicable.

15 REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Regulations of the EU:

Denomination in Annex I of the Directive 96/82/EC on the control of major-accident hazards involving dangerous substances Observe threshold values of section 6.

Directive 1998/8/EC for the marketing of biocide products:
 Not applicable.

Regulation (EC) No 648/2004 (Regulation concerning detergents):
 Not applicable.

Directive 1999/13/EC for the limitation of emissions of volatile organic compounds (VOC):
 May be applicable.

German Regulations
 Occupation restriction:
 Yes.

Technical instructions on maintaining air purity (TA Luft 2002):
 Observe threshold values for organic materials according to section 5.2.5 and for paint particles according to section 5.4.5.1.

Water hazard class:
 WGK 2 (hazardous to waters)

Storage class according to TRGS 510:
 LGK 3 (flammable liquids)

Other regulations, restrictions and prohibition ordinances:
 Observe the information sheets M 004 and M 017 of the BG Chemie.

15.2 CHEMICAL SAFETY ASSESSMENT

This mixture was not subject to a safety assessment.

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16. OTHER INFORMATION

The text of the hazard statement codes of section 3

Flam. Liq. 2; H225	Flammable liquids (category 2); Highly flammable liquid and vapour.
Flam. Liq. 3; H226	Flammable liquids (category 3); Flammable liquid and vapour.
Skin. Irrit. 2; H315	Skin corrosion/irritation (category 2); Causes skin irritation.
Skin Sens. 1; H317	Sensitisation – Skin (category 1); May cause an allergic skin reaction.
Eye Irrit. 2; H319	Serious eye damage/eye irritation (category 2); Causes serious eye irritation.
Acute Tox. 3; H301	Acute toxicity, oral (category 3); Toxic if swallowed.
Acute Tox. 3; H311	Acute toxicity, dermal (category 3); Toxic in contact with skin.
Acute Tox. 3; H331	Acute toxicity, inhalation (category 3); Toxic if inhaled.
Acute Tox. 4; H302	Acute toxicity, oral (category 4); Harmful if swallowed.
Acute Tox. 4; H312	Acute toxicity, dermal (category 4); Harmful in contact with skin.
Acute Tox. 4; H332	Acute toxicity, inhalation (category 4); Harmful if inhaled.
STOT SE 3; H336	Specific target organ toxicity – Single exposure (category 3) narcosis; May cause drowsiness or dizziness.
STOT SE 1; H370	Specific target organ toxicity – Single exposure (category 1); Causes damage to organs in contact with skin, by inhalation or if swallowed.
Aquatic Acute 1; H400	Hazardous to the aquatic environment – Acute Hazard (category 1); Very toxic to aquatic life.
Aquatic Chronic 1; H410	Hazardous to the aquatic environment – Chronic Hazard (category 1); Very toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
R10	Flammable.
R11	Highly flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R50	Very toxic to aquatic organisms.
R53	May cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

This safety data sheet is developed on basis of the valid EU regulations and German regulations. It shows the present state of the knowledge and is no contractual warranty of quality properties of the product. These statements may not be changed or transferred to other products. Duplication in unchanged state is permitted.

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Abbreviations

AGS	Committee on Hazardous Substances AGW
BGW	Permitted exposure limit during work hours
Y	Permitted biological limit value for work place
EU	No harm to the unborn child, if values of AGW and BGW are kept
DFG	European Union
PBT	German Research Community
TRGS	Persistent, bioaccumulative and toxic vPvB
WGK	Very persistent and very bioaccumulative
LGK	Technical regulation for dangerous substances
BG Chemie	Water hazard class
	Storage class
	Employer's liability insurance association of the German chemical industry