

according to 1907/2006/EC, Article 31

Printing date 23.02.2023

Version number 7.0 (replaces version 6.1)

Revision: 23.02.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking	
1.1 Product identifier	
Trade name:	Anti-Slip Decking Oil
Article number: 1.2 Relevant identified uses of the substance or mixture	430
and uses advised against Application of the substance	No further relevant information available.
/ the mixture	Coating compound/ Surface coating/ paint Paint
1.3 Details of the supplier of t	the safety data sheet
Manufacturer/Supplier:	Osmo Holz und Color GmbH & Co. KG Affhüppen Esch 12 D-48231 Warendorf Germany
Further information	
obtainable from:	Product safety department Tel.: +49 (0) 251 / 692 - 188 Fax: +49 (0) 251 / 692 - 462 e-mail: helmut.starp@osmo.de
1.4 Emergency telephone	
number:	emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects. **Additional information:** For the wording of the listed hazard phrases refer to section 16.

2.2 Label elements	
Hazard pictograms	Void
Signal word	Void
Hazard statements	H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children.
	P262 Do not get in eyes, on skin, or on clothing.
	P271 Use only outdoors or in a well-ventilated area.
	P273 Avoid release to the environment.
	P501 Dispose of contents/container in accordance with national regulations.
Additional information:	EUH208 Contains 3-lodo-2-propynylbutylcarbamate. May produce an allergic reaction.
2.3 Other hazards	Warning:
	Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)
	(Contd. on page 2)



according to 1907/2006/EC, Article 31

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Version number 7.0 (replaces version 6.1)

Revision: 23.02.2023

Trade name: Anti-Slip Decking Oil

	(Contd. of page 1)
	Always wear a dust mask when sanding.
	Observe the general safety regulations when handling chemicals.
Results of PBT and	d vPvB assessment
PBT:	Not applicable.
vPvB:	Not applicable.

SECTION 3: Composition/information on ingredients

Dangerous components:		
EC number: 918-481-9	aliphatic hydrocarbons, C10-C13 Asp. Tox. 1, H304, EUH066	30–50%
CAS: 34590-94-8 EINECS: 252-104-2	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	10–25%
CAS: 127519-17-9 ELINCS: 407-000-3 Index number: 607-281-00-4	A mixture of branched and linear C7-C9 alkyl 3-[3-(2H- benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl] propionates Aquatic Chronic 2, H411	≥0.25-<2.5%
CAS: 55406-53-6 EINECS: 259-627-5 Index number: 616-212-00-7	3-Iodo-2-propynylbutylcarbamate Acute Tox. 2, H330;	≥0.1–<0.25%

SECTION 4: First aid measures

General information:	Take affected persons out into the fresh air.
	Immediately remove any clothing soiled by the product.
After inhalation:	Supply fresh air; consult doctor in case of complaints.
	In case of unconsciousness place patient stably in side position for
	transportation.
After skin contact:	Immediately wash with water and soap and rinse thoroughly.
	If skin irritation continues, consult a doctor.
	If skin irritation or rash occurs: Get medical advice/attention.
After eye contact:	Rinse opened eye for several minutes under running water.
After swallowing:	Induce vomiting only, if affected person is fully conscious.
	If swallowed, seek medical advice immediately and show this container or label.
	(Contd. on page 3)

- EU -



according to 1907/2006/EC, Article 31

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Version number 7.0 (replaces version 6.1)

Revision: 23.02.2023

(Contd. of page 2)

Trade name: Anti-Slip Decking Oil

Do NOT induce vomiting.

4.2 Most important symptomsand effects, both acute anddelayedHeadacheDizziness

4.3 Indication of anyimmediate medical attentionand special treatment needed If swallowed or in case of vomiting, danger of entering the lungs.

SECTION 5: Firefighting measures

5.1 Extinguishing media	
Suitable extinguishing	
agents:	CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
For safety reasons unsuitable	e
extinguishing agents:	Water with full jet
5.2 Special hazards arising	
from the substance or	
mixture	Formation of toxic gases is possible during heating or in case of fire.
	Carbon monoxide (CO)
	carbon dioxide (CO2)
5.3 Advice for firefighters	
Protective equipment:	Mouth respiratory protective device.
	Do not inhale explosion gases or combustion gases.
	Wear self-contained respiratory protective device.
	General measures for chemical fires.
Additional information	Dispose of fire debris and contaminated fire fighting water in accordance with
	official regulations.
	Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and	
emergency procedures	Ensure adequate ventilation
	Keep away from ignition sources.
	Wear protective clothing.
For non-emergency	
personnel	No action shall be taken involving any personal risk or without suitable training.
For emergency responders	Wear protective equipment. Keep unprotected persons away.
6.2 Environmental	
precautions:	Inform respective authorities in case of seepage into water course or sewage system.
	(Contd on page 4)

(Contd. on page 4)

Printing date 23.02.2023



Safety data sheet

according to 1907/2006/EC, Article 31

Version number 7.0 (replaces version 6.1)

Revision: 23.02.2023

Trade name: Anti-Slip Decking Oil

	(Contd. of page 3)
	Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for	
containment and cleaning up:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
	Dispose of the material collected according to regulations.
	Dispose contaminated material as waste according to item 13.
	Ensure adequate ventilation.
6.4 Reference to other	
sections	No dangerous substances are released.
	See Section 7 for information on safe handling.
	See Section 8 for information on personal protection equipment.
	See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe	
handling	Use only in well ventilated areas.
	Ensure good ventilation/exhaustion at the workplace.
	Open and handle receptacle with care.
	Prevent formation of aerosols.
General protective and	
hygienic measures:	Wash hands before breaks and at the end of work.
	Do not inhale gases / fumes / aerosols.
	Avoid contact with the eyes and skin.
	Do not eat, drink, smoke or sniff while working.
	Do not carry product impregnated cleaning cloths in trouser pockets.
Information about fire - and	
explosion protection:	Keep respiratory protective device available.
	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Handling	Even a small sin can load to life threatening damage to the lungs. Keep rags
Handling:	Even a small sip can lead to life-threatening damage to the lungs. Keep rags filled with this liquid out of the reach of children.
-	
7.2 Conditions for safe storag Storage:	filled with this liquid out of the reach of children.
7.2 Conditions for safe storag Storage: Requirements to be met by	filled with this liquid out of the reach of children.
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7.2 Conditions for safe storag Storage: Requirements to be met by storerooms and receptacles: Information about storage in	filled with this liquid out of the reach of children. <i>Te, including any incompatibilities</i> Store only in the original receptacle.
7.2 Conditions for safe storag Storage: Requirements to be met by storerooms and receptacles: Information about storage in one common storage facility:	filled with this liquid out of the reach of children. <i>Te, including any incompatibilities</i> Store only in the original receptacle.
7.2 Conditions for safe storag Storage: Requirements to be met by storerooms and receptacles: Information about storage in one common storage facility: Further information about	filled with this liquid out of the reach of children. The, including any incompatibilities Store only in the original receptacle. Not required.
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7.2 Conditions for safe storag Storage: Requirements to be met by storerooms and receptacles: Information about storage in one common storage facility: Further information about	filled with this liquid out of the reach of children. re, including any incompatibilities Store only in the original receptacle. Not required. Store receptacle in a well ventilated area. Keep container tightly sealed.
7.2 Conditions for safe storag Storage: Requirements to be met by storerooms and receptacles: Information about storage in one common storage facility: Further information about storage conditions:	filled with this liquid out of the reach of children. re, including any incompatibilities Store only in the original receptacle. Not required. Store receptacle in a well ventilated area. Keep container tightly sealed. Store in cool, dry conditions in well sealed receptacles.
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Page 5/14



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.02.2023

Version number 7.0 (replaces version 6.1)

Revision: 23.02.2023

			(Contd. of pa
7.3 Specif	fic end use(s)	No further relevant information	
SECTIO	N 8: Exposure c	ontrols/personal protecti	on
	ol parameters		
-		that require monitoring at the	workplace:
•	nydrocarbons, C10-		
	ort-term value: 1200 EFIC-HSPA	mg/m ³	
34590-94-	8 Dipropylene glyce	ol monomethyl ether	
	ng-term value: 308 m	-	
Sk	•		
DNELs			
34590-94-	8 Dipropylene glyce	ol monomethyl ether	
Oral	DNEL Verbraucher	(Langzeit - systemische Effekte)	36 mg/kg KGew. /Tag
Dermal	DNEL Verbraucher	(Langzeit - systemische Effekte)	121 mg/cm ²
Inhalative	Worker (chronic - S	ystemic health effec)	308 mg/m ³
	DNEL Verbraucher	(Lanzeit - systemische Effekte)	37.2 mg/m³
PNECs			
34590-94-	8 Dipropylene glyco	ol monomethyl ether	
PNEC sea	water	1.9 mg/l	
PNEC fres	h water	19 mg/l	
PNEC sed	liment (fresh water)	70.2 mg/kg	
PNEC sed	liment (sea water)	7.02 mg/kg	
PNEC soil		2.74 mg/kg	
PNEC sew	vage treatment plant	4,168 mg/l	
interrupted		190 mg/l	
Additiona	l information:	The lists valid during the makir	ng were used as basis.
-	ure controls		
	ate engineering		
controls Individual	notection measur	Ensure good ventilation/exhau res, such as personal protectiv	·
	rotective and		eequipment
	measures:	Avoid contact with the eyes an	d skin.
		The usual precautionary meas chemicals.	sures are to be adhered to when handling
			iff while working
		Do not eat, drink, smoke or sn	ated cleaning cloths in trouser pockets.

(Contd. on page 6)

Printing date 23.02.2023



Safety data sheet

according to 1907/2006/EC, Article 31

Version number 7.0 (replaces version 6.1)

Revision: 23.02.2023

	(Contd. of page
Respiratory protection:	Use suitable respiratory protective device only when aerosol or mist is formed
	Not necessary if room is well-ventilated.
	In case of brief exposure or low pollution use respiratory filter device. In case
	of intensive or longer exposure use self-contained respiratory protective device.
	Half mask with round thread connection EN 148-1 (screw-on filter) and
	combination filter A1 - P2 according to German DIN EN 14387.
	Use a properly fitted, air-purifying or air-fed repirator complying with an
	approved standard if a risk assessment indicates this is necessary.
Hand protoction	Protective gloves
Hand protection	The glove material has to be impermeable and resistant to the product/ the
	substance/ the preparation.
	Selection of the glove material on consideration of the penetration times, rate of diffusion and the degradation
Material of gloves	The selection of the suitable gloves does not only depend on the material, bu
waterial of gloves	also on further marks of quality and varies from manufacturer to manufacture
	As the product is a preparation of several substances, the resistance of the
	glove material can not be calculated in advance and has therefore to be
	checked prior to the application.
Penetration time of glove	
material	The exact break trough time has to be found out by the manufacturer of the
material	protective gloves and has to be observed.
For the permanent contact	
gloves made of the following	
materials are suitable:	For the mixture of chemicals mentioned below the penetration time has to be
	at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).
	Nitrile rubber, NBR
	Recommended thickness of the material: ≥ 0.4 mm
	For the mixture the penetration time has to be at least 480 minutes
	(Permeation according to EN 374 Part 3: Level 6).
As protection from splashes	
gloves made of the following	,
materials are suitable:	Nitrile rubber, NBR
Eye/face protection	If risk of splashing:
-	Safety glasses according to EN 166:2001 (e.g. densely closing frame glasse
	with side protection)
	Tightly sealed goggles
Body protection:	Protective work clothing
	(Contd. on page



according to 1907/2006/EC, Article 31

Printing date 23.02.2023

Version number 7.0 (replaces version 6.1)

Revision: 23.02.2023

	(Contd. of pa
SECTION 9: Physical and chemical prope	rties
9.1 Information on basic physical and chemical pr	operties
General Information	-
Physical state	Fluid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling	
range	180 °C
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	0.7 Vol %
Upper:	6.0 Vol %
Flash point:	> 61 °C (DIN EN ISO 2719)
Ignition temperature:	240 °C
Decomposition temperature:	Not determined.
рН	Mixture is non-polar/aprotic.
Viscosity:	
Kinematic viscosity at 20 °C	20-25 s (DIN EN ISO 2431/4mm)
	>21 mm²/s (40°C) (calculated)
Dynamic:	Not determined.
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	1 hPa
Density and/or relative density	
Density at 20 °C:	0.9 -1.0 g/cm³ (DIN 51757)
Relative density	Not determined.
9.2 Other information	
Appearance:	
Form:	Fluid
Important information on protection of health and	
environment, and on safety.	
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Not determined.
Solvent content:	
VOC (EC)	< 500 g/l (VOC-max. Cat A/i (2010) = 500 g/l)
Change in condition	
Evaporation rate	Not determined.



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Revision: 23.02.2023

		(Contd. of page
Information with regard to physical hazard c	lasses	
Explosives	Void	
Flammable gases	Void	
Aerosols	Void	
Oxidising gases	Void	
Gases under pressure	Void	
Flammable liquids	Void	
Flammable solids	Void	
Self-reactive substances and mixtures	Void	
Pyrophoric liquids	Void	
Pyrophoric solids	Void	
Self-heating substances and mixtures	Void	
Substances and mixtures, which emit flamm	able	
gases in contact with water	Void	
Oxidising liquids	Void	
Oxidising solids	Void	
Organic peroxides	Void	
Corrosive to metals	Void	
Desensitised explosives	Void	

10.1 Reactivity	No further relevant information available.
10.2 Chemical stability	
Thermal decomposition /	
conditions to be avoided:	No decomposition if used and stored according to specifications.
10.3 Possibility of hazardous	
reactions	Reacts with fabric soaked in the product (e.g. cleaning wool).
	Reacts with acids, alkalis and oxidising agents.
10.4 Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
10.5 Incompatible materials:	No further relevant information available.
10.6 Hazardous	
decomposition products:	Formation of toxic gases is possible during heating or in case of fire.
	Carbon monoxide and carbon dioxide
	Nitrogen oxides (NOx)
Additional information:	Warning:
	Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)
	(Contd. on page



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Revision: 23.02.2023

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(Contd. of page 8)

LD/LC50 values relevant for classification: aliphatic hydrocarbons, C10-C13 Oral LD50 >5,000 mg/kg (rat) Dermal LD50 >5,000 mg/kg (rat) Inhalative LC50 / 4h >5 mg/l (rat) 34590-94-8 Dipropylene glycol monomethyl ether Oral LD50 Oral LD50 >5,000 mg/kg (rat) Dermal LD50 >19,020 mg/kg (rat) 13,000-14,000 mg/kg (rat) 13,000-14,000 mg/kg (rab) Inhalative LC50 / 4h 1,667 mg/l (rat) LC50 / 72h 0.76 mg/l (selenastrum capricornutum) 55406-53-6 3-lodo-2-propynylbutylcarbamate Oral LD50 500 mg/kg (rat) Dermal LD50 >2,000 mg/kg (rat) Inhalative LC50 / 4h 0.67 mg/l (rat) (OECD 403 Acute Inhalation Toxicity) Skin corrosion/irritation Based on available data, the classification criteria are not met. Serious eye damage/irritation Based on available data, the classification criteria are not met. <t< th=""><th>11.1 Infor Acute tox</th><th></th><th>hazard classes as defined in Regulation (EC) No 1272/2008 Based on available data, the classification criteria are not met.</th><th></th></t<>	11.1 Infor Acute tox		hazard classes as defined in Regulation (EC) No 1272/2008 Based on available data, the classification criteria are not met.	
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11.2 Information on other hazards	•			
	11.2 Infor	mation on o	other hazards	

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according to 1907/2006/EC, Article 31

Printing date 23.02.2023

Version number 7.0 (replaces version 6.1)

Revision: 23.02.2023

Trade name: Anti-Slip Decking Oil

(Contd. of page 9)

SECTION 12: Ecological information

Aquatic toxicity:	
aliphatic hydrocarl	bons, C10-C13
EC50 / 48h	>1,000 mg/l (Daphnia magna)
IC50 / 72h	>1,000 mg/l (algae)
LC50 / 96h	>1,000 mg/l (fish)
34590-94-8 Diprop	ylene glycol monomethyl ether
EC50 / 48h	70.2 mg/l
	1,919 mg/l (Daphnia magna)
LC50 / 96h	5.3 mg/l (Oncorhynchus mykiss (Regenbogenforelle))
LC50 / 48h	10.2 mg/l (Oncorhynchus mykiss (Regenbogenforelle))
127519-17-9 A mixt	ture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-
ethyl)-	-4-hydroxyphenyl]propionates
EC50 / 48h	3.2 mg/l (Daphnia magna) (24h EC 50 acute immobilisation test)
Bioconceived factor	<3 (Flow-through fish test)
55406-53-6 3-lodo-	2-propynylbutylcarbamate
EC50 / 48h	0.16 mg/l (Daphnia magna)
EC50/ 72h	0.022 mg/l (algae)
12.2 Persistence a	
degradability	No further relevant information available.
12.3 Bioaccumulat	<i>ive</i> No further relevant information available.
potential 12.4 Mobility in soi	
•	T and vPvB assessment
PBT:	Not applicable.
vPvB:	Not applicable.
12.6 Endocrine dis	rupting
properties	The product does not contain substances with endocrine disrupting propert
12.7 Other adverse	effects
Remark:	Harmful to aquatic life with long lasting effects. Harmful to fish
Behaviour in sewa	ge processing plants:
55406-53-6 3-lodo-	2-propynylbutylcarbamate

(Contd. on page 11)

Page 11/14



Safety data sheet

according to 1907/2006/EC, Article 31

Version number 7.0 (replaces version 6.1)	Revision: 23.02.202
ecking Oil	
	(Contd. of page 1
	assessment): hazardous for
water	issessmenty. hazardous for
Danger to drinking water if even small quantities le	eak into the ground.
Harmful to aquatic organisms	-
al considerations	
thods	
Must not be disposed together with household gar	bage. Do not allow product
U	1
	ations.
ue	
l varnish containing organic solvents or other hazardous	substances
aining residues of or contaminated by hazardous substar	nces
Disposal must be made according to official regula	ations.
g	
•	
Osmo Brush Cleaner and Thinner	
oort information	
mber	
Not applicable	
name	
Not applicable	
Not applicable	
ass(es)	
ass(es)	
Not applicable	
Not applicable	
Not applicable Not applicable	
	ecking Oil Water hazard class 2 (German Regulation) (Self-a water Danger to drinking water if even small quantities le Harmful to aquatic organisms al considerations thods Must not be disposed together with household gar to reach sewage system. Disposal must be made according to official regula ue Varnish containing organic solvents or other hazardous aining residues of or contaminated by hazardous substar Disposal must be made according to official regula Solvent naphtha Osmo Brush Cleaner and Thinner port information mber Not applicable Not applicable Not applicable

- EU -



according to 1907/2006/EC, Article 31

Version number 7.0 (replaces version 6.1)

Revision: 23.02.2023

(Contd. of page 11)

Trade name: Anti-Slip Decking Oil

14.7 Maritime transport in bulk according to IMO

instruments

Printing date 23.02.2023

Not applicable.

UN "Model Regulation":

Not applicable

SECTION 15: Regulatory information

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

Directive 2012/18/EUNamed dangeroussubstances - ANNEX INone of the ingredients is listed.REGULATION (EC) No1907/2006 ANNEX XVIIConditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:

Marking in accordance with biocide guideline 98/8/EG

55406-53-6 3-lodo-2-propynylbutylcarbamate

1 g/kg

VOC (EC)

assessment:

< 500 g/l (VOC-max. = 500 g/l (2010 A/i))

15.2 Chemical safety

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 13)



according to 1907/2006/EC, Article 31

Printing date 23.02.2023

Version number 7.0 (replaces version 6.1)

Revision: 23.02.2023

	(Contd. of page 12)
Relevant phrases Classification according to Regulation (EC) No 1272/2008	 H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H330 Fatal if inhaled. H372 Causes damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. EUH066 Repeated exposure may cause skin dryness or cracking.
	using substance data according to Regulation (EC) No 1272/2008.
Department issuing SDS: Contact:	product safety department Hr. Dr. Starp
Version number of previous	
version:	6.1
Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative Acute Tox. 4: Acute toxicity – Category 4 Acute Tox. 2: Acute toxicity – Category 2 Eye Dam. 1: Serious eye damage/eye irritation – Category 1 SKin Sens. 1: Skin sensitisation – Category 1 SKin Sens. 1: Skin sensitisation – Category 1 Asp. Tox. 1: Aspiration hazard – Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Sources	ESIS : European chemical Substances Information System ECHA Portal
	Safety data sheets from raw material suppliers (Contd. on page 14



according to 1907/2006/EC, Article 31

Printing date 23.02.2023

Version number 7.0 (replaces version 6.1)

Revision: 23.02.2023

(Contd. of page 13)

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* Data compared to the	
previous version altered.	Additions, Deletions, Revisions
	Updated according to regulation (EU) 2020/878 amending regulation (EC) No: 1907/2006 (REACH)