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* Orbin Evolve Forte			Date revised: 16.10.2023
# 7040003511 V	/ersion: 2 / GB	Master No. MA-212	Print date: 07.05.2024
SECTION 1: Identifica	ation of the sub	stance/mixture a	<u>nd of the</u>
company/undertaking	9		
1.1. Product identifier			
Trade name			
Orbin Evolve Forte			
1.2. Relevant identified u	uses of the substan	ce or mixture and use	s advised against
Use of the substance/mi Cleaners	ixture		
1.3. Details of the suppli	er of the safety dat	a sheet	
Address/Manufacturer	,		
BÜFA Cleaning GmbH	1 & Co. KG		
August-Hanken-Str. 3	0		
26125 Oldenburg Telephone no.	+49 441 9317 0		
Fax no.	+49 441 9317 100		
Information provided by / telephone	Department product s	afety / +49 441 9317 108	
E-Mail	sds-cleaning@buefa.	de	
1.4. Emergency telepho Poison Information Ce	ne number enter Goettingen: +49 5	51 19240	

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)Skin Corr. 1AH314Eye Dam. 1H318The product is classified and labelled in accordance with Regulation (EC) No 1272/2008For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H314

Causes severe skin burns and eye damage.

Precautionary statements

looddilollary olatollio	
P280.2	Wear protective gloves/ eye/ face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin
	with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact
	lenses, if present and easy to do. Continue rinsing.



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P310	Immediately call a	POISON CENTER or doctor.			
Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)					

contains

Sodium hydroxide: Potassium hydroxide: D-Glucopyranose, oligomers, decyl octyl glycosides; D-Glucopyranose, oligomeric, C10-16 alkyl glycosides

2.3. Other hazards ***

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients ***

3.2. Mixtures

Hazardous ingredients *** potassium hydroxide ...% CAS No. 1310-58-3 EINECS no. 215-181-3 Registration no. 01-2119487136-33-XXXX % Concentration >= 10 < 16 Acute Tox. 4 H302 Skin Corr. 1A H314 Concentration limits (Regulation (EC) No. 1272/2008) Eye Irrit. 2 H319 >= 0.5 < 2 % Skin Corr. 1A H314 >= 5 % Skin Corr. 1B H314 >= 2 < 5 % Skin Irrit. 2 H315 >= 0,5 < 2 % ATE 333 mg/kg oral sodium hydroxide CAS No. 1310-73-2 EINECS no. 215-185-5 Registration no. 01-2119457892-27-XXXX Concentration 25 % >= 10 < Skin Corr. 1A H314 Met. Corr. 1 H290 Concentration limits (Regulation (EC) No. 1272/2008) Eye Irrit. 2 H319 >= 0.5 < 2 % >= 5 % Skin Corr. 1A H314 >= 2 < 5 % Skin Corr. 1B H314 Skin Irrit. 2 >= 0,5 < 2 % H315 D-Glucopyranose, oligomers, decyl octyl glycosides CAS No. 68515-73-1 EINECS no. 500-220-1 Registration no. 01-2119488530-36-XXXX Concentration % >= 3 < 10 Eye Dam. 1 H318 D-Glucopyranose, oligomeric, C10-16 alkyl glycosides CAS No. 110615-47-9 EINECS no. 600-975-8 Registration no. 01-2119489418-23-XXXX % Concentration 10 3 >= < Eye Dam. 1 H318 Skin Irrit. 2 H315



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Concentration line		4070/0000)		
Concentration lim	its (Regulation (EC) No.	,		100.01
	Eye Dam. 1	H318	>= 12 <	100 %
	Skin Irrit. 2	H315	>= 30 %	
Citric acid, anhydr	ous			
CAS No.	77-92-9			
EINECS no.	201-069-1			
Registration no.	01-2119457026-42	2-XXXX		
Concentration	>= 1	< 10	0 %	
Eye Irrit. 2	H319			
STOT SE 3	H335			

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Ensure supply of fresh air. Summon a doctor immediately.

After skin contact

Wash off immediately with soap and water.

After eye contact

In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. Seek medical advice immediately.

After ingestion

Do not induce vomiting. Call in a physician immediately and show him the Safety Data Sheet.

4.2. Most important symptoms and effects, both acute and delayed There is no further relevant information available

4.3. Indication of any immediate medical attention and special treatment needed There is no further relevant information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Dry powder, Water spray jet, Extinguishing measures to suit surroundings

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible. If a fire breaks out nearby, pressure build-up and danger of bursting are possible.

5.3. Advice for firefighters

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

Keep people away and stay on the upwind side. Use breathing apparatus if exposed to vapours/dust/aerosol. Use personal protective clothing.

6.2. Environmental precautions



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Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Containers in danger should be cooled with water.

7.2. Conditions for safe storage, including any incompatibilities

Keep only in original packaging. Provide alkali-resistant floor. Store product in closed containers. Do not store together with: Acids, Aluminium Keep container tightly closed.

7.3. Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

EH40	
WEL	
2	mg/m³
EH40	
WEL	
2	mg/m³
	WEL 2 EH40 WEL

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals. Personal protective equipment must comply with the Regulation (EC) No 2016/425 and the resulting CEN standards. The following information on personal protective equipment (PPE) is to be understood as a suggestion. The selection of the necessary PPE must be considered by the employer depending on the activities to be carried out and the local conditions. If it is determined during the on-site risk assessment that there is no danger to the employee, there is no need to wear PPE or the scope of the PPE to be used can be adjusted accordingly.

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation. Short term: filter apparatus, Filter B

Hand protection

Chemical resistant glove	s			
Appropriate Material	nitrile			
Material thickness	>=	0,7	mm	
Breakthrough time	>	480	min	
Wear suitable gloves. Ch	nemical pro	tection g	loves are suitable	e, which are tested according to EN 374.
Check leaktightness/imp	ermeability	prior to	use. In the case of	of wanting to use the gloves again, clean
them before taking off ar	nd air them	well. For	special purpose	es, it is recommended to check the
resistance to chemicals	of the prote	ctive glo	ves mentioned a	bove together with the supplier of these
gloves.				
Eye protection				



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Tightly fitting safe	ety glasses			
Body protection				
• •	rotective clothing			
	Ū			
SECTION 9: Phys	ical and chem	ical pro	<u>perties</u>	
9.1. Information on	basic physical an	d chemic	al properties	
Physical state	liquic		• •	
Colour	colou	urless to ye	ellowish	
Odour	Prod	uct specific	0	
Melting point				
Remarks	not d	etermined		
Boiling point				
Remarks	not c	etermined		
Flammability				
evaluation	not c	etermined		
Explosion limits	not e			
Remarks	noto	etermined		
		elennineu		
Flash point Value		100		° 0
	>	100		°C
Ignition temperatu				
Remarks		etermined		
Thermal decomposition				
Remarks	Not r	elevant		
pH value				
Value	appr			
Concentration/H	20	1	%	
Viscosity				
Value	appr			S
Temperature Mothod		20 53211 4 mi	°C	
Method		532114 m	m	
Solubility in other	solvents		to master a al	
0	141		termined	
Remarks	ition coefficient (log			
	NOLI	elevant		
Vapour pressure				
Remarks	not c	etermined		
Density				
Value	appr		°C	kg/l
Temperature		20	U	
Vapour density				
Remarks		etermined		
Particle characteri				
Remarks	irrele	vant (liquic	1)	
9.2. Other informati	on			
Odour threshold				
Remarks	No d	ata availab	ble	
Solubility in water				
Remarks	misc	ible		



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SECTION 10: Sta	bility and reactivit	Y		
10.1. Reactivity Corrodes alumi	nium.			
10.2. Chemical sta The product is s				
-	hazardous reactions nic reactions with acids.			
10.4. Conditions to Protect from he	avoid at and direct sunlight.			
Thermal decompo	•			
Remarks	Not releva	nt		
10.5. Incompatible Strong exotherr	materials nic reaction with acids. Rea	ctions with meta	als, with evol	ution of hydrogen.
	ecomposition products lecomposition products kno	wn.		
	kicological informa			
	on toxicological effects			
Acute oral toxicity	-			
ACTE	y 3.330		m	g/kg
Method		ue (Regulation		
Based on availa	able data, the classification of	riteria are not r	net.	
Acute oral toxicity	y (Components)			
potassium hydro	oxide%			
Reference subs	1 2	droxide%		
ATE	. 333		m	g/kg
Citric acid, anhy				
Acute dermal toxi	•			
	able data, the classification of	criteria are not r	net.	
	city (Components)			
Citric acid, anhy	drous			
Acute inhalationa	I toxicity able data, the classification of	riteria are not r	net	
Skin corrosion/irr			not.	
evaluation	corrosive			
	on criteria are met.			
Skin corrosion/irr	itation (Components)			
Reference subs	tance Citric acid, ar	hydrous		
Species	rabbit			
evaluation	non-irritant			
Serious eye dama evaluation	corrosive			
	on criteria are met.			
	age/irritation (Components	;)		
Reference subs	• • •			
Species	rabbit			



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evaluation	irritant		
Sensitization			
Based on availa	able data, the classification	rriteria are not met.	
Sensitization (Co	mponents)		
Based on availa	able data, the classification	o criteria are not met.	
Mutagenicity			
Based on availa	able data, the classification	i criteria are not met.	
Reproductive tox	icity		
Based on availa	able data, the classification	o criteria are not met.	
Carcinogenicity			
Based on availa	able data, the classification	i criteria are not met.	
Specific Target O	rgan Toxicity (STOT)		
Single exposure			
	able data, the classification	i criteria are not met.	
Repeated exposu	ire able data, the classification	criteria are not met	
Aspiration hazard		i chiena ale not met.	
•	able data, the classification	criteria are not met	
		i chiena ale not met.	
11.2 Information o	n other hazards		
Endocrine disrup	ting properties with resp	ect to humans	
The product do humans.	es not contain a substance	e that has endocrine disrupting	g properties with respect to
SECTION 12: Eco	ological informati	on	

12.1. Toxicity

Fish toxicity					
Citric acid, anhydrous Reference substance Species LC50 Duration of exposure		cid, anhydr orfe (Leuci 440 96		s) 760	mg/l
sodium hydroxide Reference substance LC50 Duration of exposure	sodium	hydroxide 35 96	to h	189	mg/l
D-Glucopyranose, oligomers Reference substance Species LC50 Duration of exposure Daphnia toxicity	D-Gluc		oligome		ctyl glycosides mg/l
sodium hydroxide Reference substance Species EC50 Duration of exposure		i hydroxide aphnia spec 40,4 48	c h		mg/l
Citric acid, anhydrous Reference substance Species EC50 Duration of exposure		cid, anhydr a magna 120 72	ous h		mg/l



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D-Glucopyranose, oligomers Reference substance Species EC50 Duration of exposure Method	s, decyl octyl gly D-Glucopyranos Daphnia magna > 100 48 OECD 202	e, oligomers	, decyl octyl glı mg/l	
Algae toxicity				
Citric acid, anhydrous Reference substance Species IC50 Duration of exposure	Citric acid, anhy Scenedesmus q 640 7		mg/l	l
Bacteria toxicity				
Citric acid, anhydrous Reference substance Species EC50 Duration of exposure	Citric acid, anhy Pseudomonas p > 10000 16		mg/l	I
D-Glucopyranose, oligomers Reference substance Species EC50 Duration of exposure	, decyl octyl gly D-Glucopyranos Pseudomonas p > 560 6	e, oligomers	, decyl octyl gly mg/l	
 12.2. Persistence and degrada The surfactant(s) contained i down in Regulation (EC) No. environment. Biodegradability 	n this preparation			biodegradability criteria as laid oduct unmonitored into the
Citric acid, anhydrous Reference substance Value Duration of test evaluation Method	Citric acid, anhy 97 28 readily degradat OECD 301 B	d	%	
Value Duration of test evaluation Method	Citric acid, anhy 100 19 readily degradat OECD 301 E	d	%	
D-Glucopyranose, oligomers Reference substance Value Duration of test evaluation	b, decyl octyl gly D-Glucopyranos > 99,4 28 Readily biodegra	e, oligomers d	%	
Chemical oxygen demand (CC				ononaj
Citric acid, anhydrous Reference substance Value	Citric acid, anhy 728	drous	n	ng/g
Biochemical oxygen demand	(BOD5)			
Citric acid, anhydrous Reference substance Value	Citric acid, anhy 526	drous	n	ng/g
12.3. Bioaccumulative potenti	al			

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	ction there is no ecotoxicolo artition coefficient (log Po	gical data available on the pr w)	oduct as such.	
Remarks	Not relev	ant		
12.4. Mobility in s For this subse		gical data available on the pr	oduct as such.	
12.5. Results of P	BT and vPvB assessme	ent		
Results of PBT a	and vPvB assessment			
The product co	ontains no PBT substances.	The product contains no vPv	/B substances.	
12.6 Endocrine di	srupting properties			
Endocrine disru	pting properties with resp	ect to the envrionment		
The product de non-target org		that has endocrine disrupting	g properties with respect to	
12.7. Other advers				
		gical data available on the pr	oduct as such.	
	vers [waste treatment plan	-	u hafara a waata watar ia	
	The product is an alkaline solution. Neutralization is normally necessary before a waste water is discharged into sewage treatment plants.			
SECTION 13: Di	sposal considerati	ons		
13.1. Waste treatr	nent methods			
Disposal recomr	mendations for the produc	:t		
	waste code number, accord agreement with the regional	ding to the European Waste (waste disposal company.	Catalogue (EWC), should be	
Disposal recomr	nendations for packaging			
Completely en	nptied packagings can be gi	ven for recycling.		
SECTION 44. T.	ononart informatio	n		
<u>3601101814.11</u>	<u>ansport informatio</u>	<u>'11</u>		



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	Land transport ADR/RID	Marine transport IMDG/GGVSee	
14.1. UN number	1824	1824	
14.2. UN proper shipping name	SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION	
14.3. Transport hazard class(es)	8	8	
14.4. Packing group	П	П	
Label	R R R R R R R R R R R R R R R R R R R	e e e e e e e e e e e e e e e e e e e	
14.5. Environmental hazards	-		
Limited Quantity	11	11	
Transport category	2		
Tunnel restriction code	E		
Hazard id. no.	80		
EmS		F-A, S-B	

Information for all modes of transport

14.6. Special precautions for user

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Other information

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

Ingredients (Regulation (EC) No 648/2004)

15 % or over but less than 30 %:

non-ionic surfactants

less than 5 %:

polycarboxylates

Further ingredients ***

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1)

voc



VOC (EU) 0 % Other information *** The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH). 15.2. Chemical safety assessment For this preparation a chemical safety assessment has not been carried out.	VOC (EU) 0 % Other information *** The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH). 15.2. Chemical safety assessment For this preparation a chemical safety assessment has not been carried out. SECTION 16: Other information Classification and procedure used to derive the classification for mixtures according to Regulatio (EC) 1272/2008 (CLP): Skin Corr. 1A H314 Calculation method Eye Dam. 1 H318 Calculation method Eye Dam. 1 H318 Calculation method H320 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes serve set with sums and eye damage. H315 Causes serve set with sums and eye damage. H316 Causes serve set with sums and eye damage. H319 Causes serve set with sums and eye damage. H319 Causes serve set with sums and eye damage. H319 Causes serve set with sums and eye damage. H319 Causes serve set with sums and eye damage. H319 Causes serve cause. Kin Tit 2 Eye Iritation. H317 Causes serve cause. Kin Grif
Other information *** The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2008 (REACH). 15.2. Chemical safety assessment For this preparation a chemical safety assessment has not been carried out. SECTION 16: Other information Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP): Skin Corr. 1A H314 Calculation method Hazard statements listed in Chapter 2/3 H290 May be corrosive to metals. H302 Harmful if swallowed. H315 Causes server skin burns and eye damage. H316 Causes serious eye dirinage. H317 Causes serious eye dirinage. H318 Causes serious eye dirinage. H319 Causes serious eye dirinage. H319 Causes serious eye dirinage. H319 Causes serious eye dirinage. H335 May cause respiratory irritation. H335 May cause respiratory irritation. H336 Causes serious eye diritation. H337 Causes serious eye diritation. H338 Causes serious eye diritation. H335	Other information *** The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH). State of the preparation a chemical safety assessment has not been carried out. State of the preparation a chemical safety assessment has not been carried out. State of the preparation and procedure used to derive the classification for mixtures according to Regulation (EC) N272008 (CLP]: Skin Corr. 1A H314 Calculation method Eye Dam. 1 H318 Calculation method H290 May be corrosive to metals. H314 H314 Calculation method H314 H314 Calculation method H314 H314 Calculation method H314 H314 Calculation method H314 H315 Causes serious eye damage. H315 H316 Causes serious eye damage. H315 H315 Causes serious eye damage. H316 H315 Causes serious eye damage. H316 Keue Tox. 4 Acute toxicity, Category 1 Eye Irrit. 2 Eye irritation, Category 2 Met. Corr. 1
The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH). 15.2. Chemicical safety assessment For this preparation a chemical safety assessment has not been carried out. ECTION 16: Other Information Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP]: Skin Corr. 1A H314 Calculation method Eye Dam. 1 H318 Calculation method Hazard statements listed in Chapter 2/3 H220 May be corrosive to metals. H332 Harmful if swallowed. H334 Causes serie set damage. H335 May causer septinety in thums and eye damage. H335 May causer septinety initiation. CLP categories listed in Chapter 2/3 Acute Tox. 4 Acute toxicity, Category 4 Eye Dam. 1 Serious eye damage. H335 May causer septinety irritation. CLP categories listed in Chapter 2/3 Acute Tox. 4 Acute toxicity, Category 4 Eye Dam. 1 Serious eye damage, Category 1 Eye Irrit. 2 Eye irritation. Category 2 Met. Corr. 1 A Subtance or mixture corrosive to metals, Category 1 Skin Corr. 1 A Subtance or mixture corrosive to metals, Category 3 Abbreviations ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route RID: Reglement concernant le transport international des marchandises Dangereuses gar Route RID: Reglement concernant le transport international des marchandises dangereuses GGVSee: Celfanguiverordnung See IMDG: International Martime Code for Dangerous Goods CAS: Chemical Abstracts Service CAS: Chemical Abstracts Service CAS: Chemical Abstracts Service CAS: Chemical Abstracts Service CAS: Chemical Abstracts Service RID: Reglement concernant le transport international Substances VOC: Volatile Organic Compound GerBiolfV: Gefahrstoffverordrung TA LUT: Technische Anleitung zur Reinhaltung der Luft INCI: international Martime Code for Dangerous Goods CAS: Chemical Abstracts Service CAS: Chemical Abstracts Service RID: Biologischer Grenzwert RIGW:	The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH). 15.2. Chemical safety assessment For this preparation a chemical safety assessment has not been carried out. ECTION 16: Other information Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 12722008 (CLP): Skin Corr. 1A H314 Calculation method Eye Dam. 1 H318 Calculation method Hazard statements listed in Chapter 2/3 H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes serious eye damage. H316 Causes serious eye damage. H318 Causes serious eye irritation. H335 May cause respiratory irritation. CLP categories listed in Chapter 2/3 Acute Tox. 4 A cute toxicity, Category 4 Eye Dam. 1 Serious eye damage, Category 1 Eye Irrit. 2 Eye irritation. Category 2 Met. Corr. 1 A Skin corrosion, Category 1 Eye Irrit. 2 Eye irritation, Category 2 STOT SE 3 Specific target organ toxicity - single exposure, Category 3 Abbreviations ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route R1D: Reglement concernant le transport international ferroviaire de marchandises dangereuses GVSee: Gerlahrgutverordnung See IMDC: International Maritime Code for Dangerous Goods CAS: Chemical Abstracts Service EAK: Europäischer Abfallkatlog EINECS: European Inventory of Existing Commercial Chemical Substances VOC: Volatile Organic Compound GefStoffV: Gefahrstoffverordnung TA Luft: Technische Abfallkatlog EINECS: Europaic Compound GefStoffV: Gefahrstoffverordnung TA Luft: Technische Abfallkatlog EINECS: Europaic Compound GefStoffV: Gefahrstoffverordnung TA Luft: Technische Abfallkatlog EINECS: Europaic Compound GefStoffV: Gefahrstoffverordnung TA Luft: Technische Regelin für Gefahrstofffe OEL: Occupational exposure limit SUVA: Schweizerische Unfailversicherungsanstalt
Regulation (EC) No. 1907/2006 (REACH). 15.2. Chemical safety assessment For this preparation a chemical safety assessment has not been carried out. SECTION 16: Other information Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP): Skin Corr. 1A H314 Calculation method Eye Dam. 1 H318 Calculation method Hazard statements listed in Chapter 2/3 H290 May be corrosive to metals. H316 Causes server skin burns and eye damage. H315 H317 Causes server skin burns and eye damage. H318 H318 Causes serious eye damage. Category 4 Eye Dam. 1 Serious eye damage, Category 1 Eye Imit. 2 Eye Ibart. 1 Substance or mixture corrosive to metals, Category 1 Skin Corr. 1A Skin Corr. 1 Substance or mixture corrosive to metals, Category 3 Abbreviations Aperent concernant le transport international des marchandises Dangereuses par Route RID: Réglement concernant le transport international ferroviaire de marchandises dangereuses GGVSee: Gefaringuiverordnung See INDG: International Martime Code for Dangerous Goods CAs: Europainational Nomenclature of Cosmetic Ingredients n.a.g.	Regulation (EC) No. 1907/2006 (REACH). 15.2. Chemical safety assessment For this preparation a chemical safety assessment has not been carried out. ECTION 16: Other information Classification and procedure used to derive the classification for mixtures according to Regulatio (EC) 12722008 [CLP]: Skin Corr. 1A H314 Calculation method Eye Dam. 1 H318 Calculation method H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes severe skin burns and eye damage. H316 Causes severe skin burns and eye damage. H317 Causes serious eye irritation. H318 Causes serious eye irritation. H318 Causes serious eye irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 Cause severe skin burns, Category 1 Eye Dam. 1 Serious eye damage, Category 1 Eye Irrit. 2 Eye irritation. Category 2 Met. Corr. 1 Substance or mixture corrosive to metals, Category 1 Skin Corr 1A Skin intration. Skin Irrit. 2 Skin intration
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H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes serious eye damage. H318 Causes serious eye irritation. H319 Causes serious eye damage. H319 Causes serious eye damage. Acute Tox. 4 Acute toxicity, Category 4 Eye Dam. 1 Serious eye damage, Category 1 Eye Irrit. 2 Eye irritation, Category 2 Met. Corr. 1 Substance or mixture corrosive to metals, Category 1 Skin Irrit. 2 Skin irritation, Category 2 Stort SE 3 Specific target organ toxicity - single exposure, Category 3 Abbreviations HMDG: International Maritime Code for Dangerous Goods CAS: Chemical Abstracts Service EAK: Europäischer Abfallkatalog EINECS: Europaischer Abfallkatalog EINECS: Europaischer Abfallkatalog EINECS: Europaischer Abfallkatalog EINEGS EINECS: Europaischer Abfallkatalog EINEGS EINECS: Europaischer Abfallikatalog E	H290May be corrosive to metals.H302Harmful if swallowed.H314Causes severe skin burns and eye damage.H315Causes serious eye damage.H318Causes serious eye irritation.H318Causes serious eye irritation.H335May cause respiratory irritation.H336May cause respiratory irritation.H337Acute Tox. 4Acute Tox. 4Acute toxicity, Category 4Eye Dam. 1Serious eye damage, Category 1Eye Irrit. 2Eye irritation, Category 2Met. Corr. 1Substance or mixture corrosive to metals, Category 1Skin Corr. 1ASkin irritation, Category 2STOT SE 3Specific target organ toxicity - single exposure, Category 3AbbreviationsADR: Accord européen relatif au transport international des marchandises Dangereuses par RouteRID: Règlement concernant le transport international ferroviaire de marchandises dangereusesGGVSee: Gefahrgutverordnung SeeIMDG: International Maritime Code for Dangerous GoodsCAS: Chemical Abstracts ServiceEAK: Europäischer AbfallkatalogEINECS: European Inventory of Existing Commercial Chemical SubstancesVOC: Volatile Organic CompoundGefStoffV: GefahrstoffverordnungTA Luft: Technische Anleitung zur Reinhaltung der LuftINCI: International Nomenclature of Cosmetic Ingredientsn.a.g.: nicht anders genantMAK: Maximale Arbeitsplatz-KonzentrationAGW: ArbeitsplatzgrenzwertTRGS: Technische Regeln für GefahrstoffeOEL: Occupational exposure limit
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H314 Causes severe skin burns and eye damage. H315 Causes serious eye damage. H318 Causes serious eye irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. CLP categories listed in Chapter 2/3 Acute Tox. 4 Acute toxicity. Category 4 Eye Dam. 1 Serious eye damage, Category 1 Eye Irrit. 2 Eye irritation, Category 2 Met. Corr. 1 Substance or mixture corrosive to metals, Category 1 Skin Corr. 1. Substance or mixture corrosive to metals, Category 3 Abbreviations Skin irritation, Category 2 ADT Accord européen relatif au transport international des marchandises Dangereuses par Route RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses GGVSee: Gefahrgutverordnung See IMDG: International Maritime Code for Dangerous Goods CAS: Chemical Abstracts Service EAK: Europäischer Abfallkatalog EINECS: Europaen Inventory of Existing Commercial Chemical Substances VOC: Volatile Organic Compound GefStoff'. Gefahrstoffverordnung TA Luft: Technische Anleitung zur Reinhaltung der Luft INCI: International Romenclature of Cosmetic Ingred	H314Causes severe skin burns and eye damage.H315Causes skin irritation.H318Causes serious eye damage.H319Causes serious eye irritation.H335May cause respiratory irritation.CLP categories listed in Chapter 2/3Acute Tox. 4Acute toxicity, Category 4Eye Dam. 1Serious eye damage, Category 1Eye Irrit. 2Eye irritation. Category 2Met. Corr. 1Substance or mixture corrosive to metals, Category 1Skin Corr. 1ASkin corrosion, Category 2STOT SE 3Specific target organ toxicity - single exposure, Category 3AbbreviationsADR: Accord européen relatif au transport international des marchandises Dangereuses par RouteRID: Règlement concernant le transport international ferroviaire de marchandises dangereusesGGVSee: Gefahrgutverordnung SeeIMDC: International Maritime Code for Dangerous GoodsCAS: Chemical Abstracts ServiceEAK: Europäischer AbfallkatalogEINECS: European Inventory of Existing Commercial Chemical SubstancesVOC: Volatile Organic CompoundGefStoffV: GefahrstoffverordnungTA Luft: Technische Anleitung zur Reinhaltung der LuftINCI: International Nomenclature of Cosmetic Ingredientsn.a.g.: nicht anders genanntMAK: Maximale Arbeitsplatz-KonzentrationAGW: ArbeitsplatzgrenzwertBGW: Biologischer GrenzwertTRGS: Technische Regeln für GefahrstoffeOEL: Occupational exposure limitSUVA: Schweizerische Unfallversicherungsanstalt
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* Orbin Evolve Forte			Date revised: 16.10.2023
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vPvB: Very pe SVHC: Substa DNEL: Derive DMEL: Derive PNEC: Predict GHS: Globally REACH: Regis UN: United Na EG: Europäiso EWG: Europä EU: European HSNO: Hazard ATE: Acute To STOT: Specifi	stration, Evaluation, Autohor ations che Gemeinschaft ische Wirtschaftsgemeinsch Union dous Substances and New C oxicity Estimate ic Target Organ Toxicity	lative on sification and Labelling of Ch isation and Restriction of Ch	emicals
Supplemental in	formation		

Relevant changes compared with the previous version of the safety data sheet are marked with: *** This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.