

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RefectoCil eyelash and eyebrow tints

Revision date: 24.02.2020

Product code: FA00xx

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

1.1. Product identifier

RefectoCil eyelash and eyebrow tints

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

Use of the substance/mixture

Cosmetics, Colorants for eyebrows,

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name:	GW Cosmetics GmbH	
Street:	Achauerstrasse 49a	
Place:	A-2333 Leopoldsdorf	
Telephone:	+43 / 2235 / 47 940-0	Telefax: +43 / 2235 / 47 940-39
Responsible Department:	office@gwcosmetics.at	

1.4. Emergency telephone number:

+43 / 2235 / 47 940-0 (09:00-16:00 CET)

Further Information

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Acute toxicity: Acute Tox. 4

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful if swallowed.

Causes serious eye damage.

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

2-methyl-p-phenylenediamine; 2,5-toluenediamine

2-methylresorcinol

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts

1,3-benzenediol, resorcinol

Signal word: Danger

Pictograms:



Hazard statements

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.

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H318 Causes serious eye damage.
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.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container to local/regional/national/international regulations.

Additional advice on labelling

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
95-70-5	2-methyl-p-phenylenediamine; 2,5-toluenediamine			3 - < 5 %
	202-442-1	612-125-00-3		
	Acute Tox. 3, Acute Tox. 4, Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 2; H301 H332 H312 H317 H411			
608-25-3	2-methylresorcinol			1 - < 3 %
	210-155-8			
	Acute Tox. 3, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1; H301 H318 H317 H400			
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts			1 - < 3 %
	500-234-8		01-2119488639-16	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412			
591-27-5	3-aminophenol			1 - < 3 %
	209-711-2	612-127-00-4		
	Acute Tox. 4, Acute Tox. 4, Aquatic Chronic 2; H332 H302 H411			
108-46-3	1,3-benzenediol, resorcinol			0.5 - < 1 %
	203-585-2	604-010-00-1	01-2119480136-40	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1B, STOT SE 1, STOT SE 2, Aquatic Acute 1, Aquatic Chronic 3; H302 H315 H318 H317 H370 H371 H400 H412			
112-72-1	Tetradecan-1-ol			0.3 - < 0.5 %
	204-000-3			
	Eye Irrit. 2, Aquatic Chronic 1; H319 H410			
141-86-6	2,6-Diaminopyridine			0.2 - < 0.3 %
	205-507-2			
	Acute Tox. 3, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H301 H315 H319 H335			

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112-53-8	Dodecan-1-ol		0.2 - < 0.3 %
	203-982-0		
	Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 2; H319 H400 H411		

Full text of H and EUH statements: see section 16.

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂).

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Safe handling: see section 7

Personal protection equipment: see section 8

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6.2. Environmental precautions

Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear suitable protective clothing. See section 8.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20°C

Protect against: frost. UV-radiation/sunlight. heat. Humidity

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
108-46-3	Resorcinol	10	46		TWA (8 h)	WEL
		20	92		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts			
Worker DNEL, long-term		dermal	systemic	2750 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	175 mg/m ³
Consumer DNEL, long-term		dermal	systemic	1650 mg/kg bw/day

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Consumer DNEL, long-term	inhalation	systemic	52 mg/m ³
Consumer DNEL, long-term	oral	systemic	15 mg/kg bw/day

PNEC values

CAS No	Substance	Value
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	
Freshwater		0,24 mg/l
Freshwater (intermittent releases)		0,071 mg/l
Marine water		0,024 mg/l
Freshwater sediment		0,917 mg/kg
Marine sediment		0,092 mg/kg
Micro-organisms in sewage treatment plants (STP)		10000 mg/l
Soil		7,5 mg/kg

8.2. Exposure controls



Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation.

Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). BS/EN 166

Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

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Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

- exceeding exposure limit values
- insufficient ventilation and aerosol or mist formation

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). Type: P1-3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

No special precautionary measures are necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid	
Colour:	not determined	
Odour:	characteristic	
pH-Value:		not determined

Changes in the physical state

Melting point:		not determined
Initial boiling point and boiling range:		not determined
Sublimation point:		not determined
Softening point:		not determined
Pour point:		not determined
Flash point:		not determined
Sustaining combustion:		No data available

Explosive properties

none

Lower explosion limits:		not determined
Upper explosion limits:		not determined
Ignition temperature:		not determined

Auto-ignition temperature

Gas: not determined

Decomposition temperature: not determined

Oxidizing properties

none

Vapour pressure:		not determined
Density:		not determined
Water solubility:		not determined

Solubility in other solvents

not determined

Partition coefficient:		not determined
Viscosity / dynamic:		not determined
Viscosity / kinematic:		not determined
Flow time:		not determined
Vapour density:		not determined

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Evaporation rate: not determined
 Solvent separation test: not determined
 Solvent content: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Refer to chapter 10.5.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

10.6. Hazardous decomposition products

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No data available.

Acute toxicity

Harmful if swallowed.

ATEmix calculated

ATE (oral) 1583,1 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
95-70-5	2-methyl-p-phenylenediamine; 2,5-toluenediamine				
	oral	LD50 102 mg/kg	Rat	REACH Dossier	OECD Guideline 401
	dermal	ATE 1100 mg/kg			
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			
608-25-3	2-methylresorcinol				
	oral	ATE 100 mg/kg			
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts				
	oral	LD50 (> 2000) mg/kg	Rat	Study report (1997)	OECD Guideline 401
	dermal	LD50 (>= 2000) mg/kg	Rat	Study report (2012)	OECD Guideline 402
591-27-5	3-aminophenol				

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	oral	LD50 >500-<20 00 mg/kg	Rat	ECHA Dossier	OECD 420
	inhalation vapour	ATE 11 mg/l			
	inhalation (4 h) aerosol	LC50 1,162 mg/l	Rat	ECHA Dossier	
108-46-3	1,3-benzenediol, resorcinol				
	oral	LD50 (510) mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rabbit	ECHA Dossier	
	inhalation (1 h) aerosol	LC50 (7,8) mg/l	Rat	ECHA Dossier	
112-72-1	Tetradecan-1-ol				
	oral	LD50 >5000 mg/kg	Rat	MSDS extern	
	dermal	LD50 >5000 mg/kg	Rabbit.	MSDS extern	
141-86-6	2,6-Diaminopyridine				
	oral	LD50 100 mg/kg	Rat.	RTECS	

Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

May cause an allergic skin reaction. (2-methyl-p-phenylenediamine; 2,5-toluenediamine; 2-methylresorcinol; 1,3-benzenediol, resorcinol)

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts:

Skin Irrit. 2 - Specific concentration limit (SCL): $\geq 5 - < 10$ %

Eye Dam. 1 - Specific concentration limit (SCL): ≥ 10 %

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts:

In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result: negative. ;

Literature information: ECHA Dossier; Reproductive toxicity: Method: OECD Guideline 416 (Two-Generation

Reproduction Toxicity Study); Species: Rat; Results: NOAEL ≥ 300 mg/kg. Literature information: ECHA

Dossier; Developmental toxicity/teratogenicity: Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study); Species: Rat; Results: NOAEL = 1000 mg/kg; Literature information: ECHA Dossier

Tetradecan-1-ol:

In-vitro mutagenicity:

Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Result: negative. Literature information: ECHA Dossier

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts:

Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents);

Species: Rat ; Exposure duration: 90 d. Result: NOAEL = 225 mg/kg; Literature information: ECHA Dossier

Aspiration hazard

Based on available data, the classification criteria are not met.

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Specific effects in experiment on an animal

No data available.

SECTION 12: Ecological information

12.1. Toxicity

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
95-70-5	2-methyl-p-phenylenediamine; 2,5-toluenediamine					
	Acute fish toxicity	LC50 > 1 mg/l	96 h	Danio rerio	REACH Dossier	OECD Guideline 236
	Acute algae toxicity	ErC50 1,02 mg/l	72 h	Pseudokirchneriella subcapitata	REACH Dossier	
	Acute crustacea toxicity	EC50 0,491 mg/l	48 h	Daphnia magna	REACH Dossier	OECD Guideline 202
	Acute bacteria toxicity	(3,75 mg/l)	3 h	activated sludge	REACH Dossier	OECD Guideline 209
608-25-3	2-methylresorcinol					
	Acute fish toxicity	LC50 (58,1) mg/l	96 h	Zebrafish	ECHA Dossier	
	Acute algae toxicity	ErC50 (71) mg/l	72 h	Pseudokirchneriella subcapitata	ECHA Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 0,605 mg/l	48 h	Daphnia magna	ECHA Dossier	OECD Guideline 202
	Acute bacteria toxicity	(131 mg/l)	3 h	activated sludge of a predominantly domestic sewage	ECHA Dossier	OECD Guideline 209
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts					
	Acute fish toxicity	LC50 (7,1) mg/l	96 h	Danio rerio	Study report (1995)	other: EG Guideline 92/69 C.1
	Acute algae toxicity	ErC50 (27) mg/l	72 h	Desmodesmus subspicatus	Study report (1993)	OECD Guideline 201
	Acute crustacea toxicity	EC50 (7,2) mg/l	48 h	Daphnia magna	Study report (1993)	other: EG Guideline 92/69/EWG
	Fish toxicity	NOEC 0,2 mg/l	28 d	Oncorhynchus mykiss	Study report (1995)	OECD Guideline 204
	Crustacea toxicity	NOEC 0,27 mg/l	21 d	Daphnia magna	Hafner Publishing Co. (1977)	OECD Guideline 211
	Acute bacteria toxicity	(>1000 mg/l)		Pseudomonas putida	ECHA Dossier	DIN 38412 T.8
591-27-5	3-aminophenol					
	Fish toxicity	NOEC 25 mg/l	21 d	Oryzias latipes (OECD 204)	ECHA Dossier	
	Crustacea toxicity	NOEC 0,05 mg/l	21 d	Daphnia magna (OECD 211)	ECHA Dossier	
	Acute bacteria toxicity	(IC50: 361 mg/l)		Tetrahymena pyriformis (40h)	ECHA Dossier	
108-46-3	1,3-benzenediol, resorcinol					
	Acute fish toxicity	LC50 29,5 mg/l	96 h	Pimephales promelas	ECHA Dossier	

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	Acute algae toxicity	ErC50 >97 mg/l	72 h	Pseudokirchnerella subcapitata	ECHA Dossier	
	Acute crustacea toxicity	EC50 1,0 mg/l	48 h	Daphnia magna	ECHA Dossier	
	Crustacea toxicity	NOEC 0,172 mg/l	21 d	Daphnia magna	ECHA Dossier	
	Acute bacteria toxicity	(79 mg/l)	3 h	Activated sludge	ECHA Dossier	
112-72-1	Tetradecan-1-ol					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Brachydanio rerio	MSDS extern	
	Acute algae toxicity	ErC50 10-100 mg/l		Scenedesmus subspicatus	MSDS extern	
	Acute crustacea toxicity	EC50 1-10 mg/l	48 h	Daphnia magna	MSDS extern	

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
95-70-5	2-methyl-p-phenylenediamine; 2,5-toluenediamine			
	OECD Guideline 301	17%	28	ECHA Dossier
	Not easily bio-degradable (according to OECD-criteria).			
608-25-3	2-methylresorcinol			
	OECD Guideline 301 B	64%	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	100%	28	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
591-27-5	3-aminophenol			
	WoE	90		ECHA Dossier
	Biodegradable.			
108-46-3	1,3-benzenediol, resorcinol			
	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	66,7%	10	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
95-70-5	2-methyl-p-phenylenediamine; 2,5-toluenediamine	-0,321
608-25-3	2-methylresorcinol	0,183
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	0,3
591-27-5	3-aminophenol	0,183
108-46-3	1,3-benzenediol, resorcinol	0,93
141-86-6	2,6-Diaminopyridine	0,25

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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12.6. Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

200127 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); paint, inks, adhesives and resins containing hazardous substances; hazardous waste

List of Wastes Code - used product

200127 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); paint, inks, adhesives and resins containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

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14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Refer to section 6-8

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

SECTION 15: Regulatory information

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

EU regulatory information

2010/75/EU (VOC):	No information available.
2004/42/EC (VOC):	No information available.
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2019/957)
The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].
REACH 1907/2006 Appendix XVII, No (mixture): 3

National regulatory information

Employment restrictions:	Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water hazard class (D):	3 - strongly hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts

SECTION 16: Other information

Changes

Rev. 1.0; Initial release: 24.02.2020

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
AGW: Arbeitsplatzgrenzwert
CAS Chemical Abstracts Service
CLP: Classification, Labelling and Packaging of substances and mixtures
DNEL: Derived No Effect Level
d: day(s)
EINECS: European INventory of Existing Commercial chemical Substances
ELINCS: European List of Notified Chemical Substances
ECHA: European Chemicals Agency
EWC: European Waste Catalogue
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association

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IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
 h: hour
 LOAEL: Lowest observed adverse effect level
 LOAEC: Lowest observed adverse effect concentration
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NOAEL: No observed adverse effect level
 NOAEC: No observed adverse effect concentration
 NLP: No-Longer Polymers
 N/A: not applicable
 OECD: Organisation for Economic Co-operation and Development
 PNEC: predicted no effect concentration
 PBT: Persistent bioaccumulative toxic
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 REACH: Registration, Evaluation, Authorisation of Chemicals
 SVHC: substance of very high concern
 TRGS: Technische Regeln für Gefahrstoffe
 UN: United Nations
 VOC: Volatile Organic Compounds

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.
H371	May cause damage to organs.
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.
H412	Harmful to aquatic life with long lasting effects.

Further Information

Classification according to Regulation (EC) No 1272/2008 [CLP] - Classification procedure:
 Health hazards: Calculation method.
 Environmental hazards: Calculation method.
 Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our

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present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)