

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008



Revision date: 27-Jul-2021

Revision Number: 1

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

1.1. Product identifier

Product Name: Conti Tekton 10 esche
Article number: 031100360009

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

Product categories [PC]: PC9 - Coatings and paints, fillers, putties, thinners
Sector of uses [SU]: SU19 - Building and construction work

1.3. Details of the supplier of the safety data sheet

Supplier: conti coatings GmbH
Feldstrasse 55
D - 46149 Oberhausen
Telefon: +49 208/ 9948-0
Telefax: +49 208/ 650625
www.conticoatings.com

E-mail address: sds.ob@kluthe.com

1.4. Emergency telephone number

Emergency Telephone: +49 177 / 214 4737 (24 h)

Emergency Telephone - §45 - (EC)1272/2008

Europe	112
Austria	+43 1 406 43 43 (Giftinformationszentrale)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

Hazard statements:

EUH208 - Contains Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) May produce an allergic reaction.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

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3.2 Mixtures

Chemical name	CAS No	EC No	REACH registration number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Weight-%
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics	-	918-481-9	01-2119457273-39	Asp. Tox. 1 (H304) (EUH066)	25 - < 50
Hexanoic acid, 2-ethyl-, zirconium salt (1:?)	22464-99-9	245-018-1	01-2119979088-21	Repr. 2 (H361d)	0.5 - < 1
Hexanoic acid, 2-ethyl-, barium salt (2:1)	2457-01-4	219-535-8	01-2119983179-22	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Acute Tox. 4 (H332) Repr. 2 (H361d)	0.25 - < 0.5
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	136-52-7	205-250-6	01-2119524678-29	Skin Sens. 1A (H317) Eye Irrit. 2 (H319) Repr. 1B (H360) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)	0.05 - < 0.1

Chemical name	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4				A,1

Acute Toxicity Estimate:

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	No data available	5005	8.5	No data available	No data available
Hexanoic acid, 2-ethyl-, zirconium salt (1:?) 22464-99-9	2043	2002	6	No data available	No data available
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4	500	2002	11	11	No data available
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	5005	5005	11	No data available	No data available

Full text of H- and EUH-phrases: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Remove to fresh air.
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact:	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
Ingestion:	Rinse mouth.

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

Symptoms: No information available.

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

Note to physicians: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire: CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media: Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical: No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation.

For emergency responders: Use personal protection recommended in Section 8.

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6.2. Environmental precautions

Environmental precautions: See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards: Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections: See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling



Advice on safe handling: Ensure adequate ventilation.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Other information: No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits:

Chemical name	European Union	Germany	Netherlands	Spain	United Kingdom	Hungary
Hexanoic acid, 2-ethyl-, zirconium salt (1:?) 22464-99-9				TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³ STEL: 20 mg/m ³
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7					TWA: 0.1 mg/m ³	

Chemical name	France	Italy	Portugal	Finland	Denmark	Czech Republic
Hexanoic acid, 2-ethyl-,			TWA: 5 mg/m ³	TWA: 1 mg/m ³	TWA: 5 mg/m ³	

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zirconium salt (1:?) 22464-99-9			STEL: 10 mg/m ³			
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7						TWA: 0.05 mg/m ³ Ceiling: 0.1 mg/m ³

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -		TWA: 50 ppm TWA: 300 mg/m ³ STEL: 100 ppm STEL: 600 mg/m ³	STEL: 900 mg/m ³ TWA: 300 mg/m ³			
Hexanoic acid, 2-ethyl-, zirconium salt (1:?) 22464-99-9	TWA: 5 mg/m ³	TWA: 5 mg/m ³	STEL: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4				TWA: 0.5 mg/m ³ STEL: 1.5 mg/m ³		
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	H*	TWA: 0.05 mg/m ³ H*		TWA: 0.02 mg/m ³ STEL: 0.06 mg/m ³	TWA: 0.02 mg/m ³ STEL: 0.3 mg/m ³	

Biological occupational exposure limits:

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	10 µg/L - urine (spontaneous urine) - after end of work day, at the end of a work week/end of the shift - () -		-	-	-	

Derived No Effect Level (DNEL):

component information:

Worker - inhalative:

Chemical name	short term, local	short term, systemic	long term, local	long term, systemic
Hexanoic acid, 2-ethyl-, barium salt (2:1)				8.8 mg/m ³
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)			0.2351 mg/m ³	0.2351 mg/m ³

Worker - dermal:

Chemical name	short term, local	short term, systemic	long term, local	long term, systemic
Hexanoic acid, 2-ethyl-, barium salt (2:1)				7.25 mg/kg bw/day

Consumer - inhalative:

Chemical name	short term, local	short term, systemic	long term, local	long term, systemic

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Chemical name	short term, local	short term, systemic	long term, local	long term, systemic
Hexanoic acid, 2-ethyl-, barium salt (2:1)				2.6 mg/m ³
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)			0.037 mg/m ³	

Consumer - dermal:

Chemical name	short term, local	short term, systemic	long term, local	long term, systemic
Hexanoic acid, 2-ethyl-, barium salt (2:1)				3.62 mg/kg bw/day

consumer - oral:

Chemical name	short term, local	short term, systemic	long term, local	long term, systemic
Hexanoic acid, 2-ethyl-, barium salt (2:1)				2.5 mg/kg bw/day
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)				0.0558 mg/kg bw/day

Predicted No Effect Concentration (PNEC):

component information:

Chemical name	Hexanoic acid, 2-ethyl-, zirconium salt (1:?)
Freshwater	0.36 mg/L
Marine water	0.036 mg/L
Intermittent release	0.493 mg/L
Freshwater sediment	6.37 mg/kg
Marine sediment	0.637 mg/kg
Soil	1.06 mg/kg

Chemical name	Hexanoic acid, 2-ethyl-, barium salt (2:1)
Freshwater	360 µg/L
Marine water	36 µg/L
Intermittent release	493 µg/L
Freshwater sediment	792 mg/kg dry weight
Marine sediment	637 mg/kg dry weight
Soil	207 mg/kg dry weight

Chemical name	Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)
Freshwater	0.00051 mg/L
Marine water	0.00236 mg/L
Freshwater sediment	9.5 mg/kg
Marine sediment	9.5 mg/kg
Soil	7.9 mg/kg

8.2. Exposure controls

Engineering controls: None under normal use conditions.

Personal protective equipment:

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Eye/face protection: No special protective equipment required.

PPE - Glove material	Glove thickness	Break through time
NBR (Nitrile rubber)	0.4 mm	>=480 min.

Skin and body protection: No special protective equipment required.

Respiratory protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Recommended Filter Type: not relevant

Environmental exposure controls: No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid				
Color	brown				
Odor	characteristic				
Melting point / melting range			<i>Conditions</i>	<i>Method</i>	<i>Remarks</i>
Boiling point / boiling range	>	100	°C		Not established
Flammability					Not established
Decomposition temperature					not relevant
Flash point	~	63	°C	DIN 51755 Part 1	
Autoignition temperature					None known
Lower explosive limit					not relevant
Upper explosion limit					not relevant
Vapor pressure	>	1100	hPa	50 °C	
Density	~	0.930	g/cm ³	20 °C	
Water solubility					slightly soluble
pH					not applicable

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pH (as aqueous solution)					Not established
Partition coefficient					Not established
Kinematic viscosity	>		mm ² /s	40 °C	
Odor threshold					Not established
Relative density					Not established
Evaporation rate					Not established
Relative vapor density		no data available			
Particle Size		no data available			
Particle Size Distribution		no data available			

9.2. Other information

Bulk density:	no data available
Softening point	No information available
Molecular weight	No information available

9.2.1. Information with regard to physical hazard classes:

Explosive properties	Not an explosive
Oxidizing properties	Not oxidising.

9.2.2. Other safety characteristics: No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity: No information available.

10.2. Chemical stability

Stability: Stable under normal conditions.

Explosion data:

Sensitivity to mechanical impact:	None.
Sensitivity to static discharge:	None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: None under normal processing.

10.4. Conditions to avoid

Conditions to avoid: None known based on information supplied.

10.5. Incompatible materials

Incompatible materials: None known based on information supplied.

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10.6. Hazardous decomposition products

Hazardous decomposition products: None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure:

Product Information:	The product has not been tested
Inhalation:	Specific test data for the substance or mixture is not available.
Eye contact:	Specific test data for the substance or mixture is not available.
Skin contact:	Specific test data for the substance or mixture is not available.
Ingestion:	Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics:

Symptoms: No information available.

Numerical measures of toxicity:

Acute toxicity: The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (inhalation-dust/mist) 21.94 mg/l

Component Information:

Chemical name	Parameter	Species	effective Dosis	Method
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	Oral LD50	Rat	> 5000 mg/kg	
Hexanoic acid, 2-ethyl-, zirconium salt (1:?) 22464-99-9	Oral LD50	Rat	2043 mg/kg	
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4	Oral LD50	Rat	500 mg/kg	
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	Oral LD50	Rat	> 5000 mg/kg	

Chemical name	Parameters	Species	Effective dose	Method
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	Dermal LD50	Rabbit	> 5000 mg/kg	
Hexanoic acid, 2-ethyl-, zirconium salt (1:?) 22464-99-9	Dermal LD50	Rabbit	> 2000 mg/kg	
Hexanoic acid, 2-ethyl-, barium salt	Dermal LD50	Rabbit	> 2000 mg/kg	

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Chemical name	Parameters	Species	Effective dose	Method
(2:1) 2457-01-4				
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	Dermal LD50	Rabbit	> 5000 mg/kg	

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
Hexanoic acid, 2-ethyl-, zirconium salt (1:?) 22464-99-9	Inhalation LC50	Rat	> 5 mg/L	4 h	
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4	Inhalation LC50	Rat	11 mg/L	4 h	
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	Inhalation LC50	Rat	> 10 mg/L	1 h	

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Skin corrosion/irritation:	No information available.
Serious eye damage/eye irritation:	No information available.
Respiratory or skin sensitization:	No information available.
Germ cell mutagenicity:	No information available.
Carcinogenicity:	No information available.
Reproductive toxicity:	No information available.
STOT - single exposure:	No information available.
STOT - repeated exposure:	No information available.
Aspiration hazard:	No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No information available.

11.2.2. Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity:

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fish toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	LL0	Oncorhynchus mykiss	1000 mg/L	96 h	

toxicity to crustacea:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	ELO	Daphnia magna	1000 mg/L	48 h	

Algae Toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	ELO	Pseudokirchneriella subcapitata	1000 mg/L	72 h	

12.2. Persistence and degradability

Persistence and degradability:

Chemical name	degradation rate	test duration	Rapidly biodegradable	Remarks	Method
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	80 %	28 d	Yes		
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4	100 %		Yes		

12.3. Bioaccumulative potential

Bioaccumulation:

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	3	

12.4. Mobility in soil

Mobility in soil: No information available.

Mobility: No information available.

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12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment:

Chemical name	PBT and vPvB assessment
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	The substance is not PBT / vPvB
Hexanoic acid, 2-ethyl-, zirconium salt (1:?) 22464-99-9	The substance is not PBT / vPvB
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties.

No information available.

12.7. Other adverse effects.

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products: Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging: Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV: 08 01 11* (Waste paint and varnish containing organic solvents or other dangerous substances)

SECTION 14: Transport information

14.1. UN number

ADR: Not regulated
RID: Not regulated
IMDG: Not regulated
IATA: Not regulated

14.2 UN proper shipping name

ADR: Not regulated
RID: Not regulated
IMDG: Not regulated
IATA: Not regulated

14.3. Transport hazard class(es)

ADR: Not regulated
RID: Not regulated

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IMDG: Not regulated
IATA: Not regulated

14.4. Packing group

ADR: Not regulated
RID: Not regulated
IMDG: Not regulated
IATA: Not regulated

14.5. Environmental hazards

ADR: Not applicable
RID: Not applicable
IMDG: Not applicable
IATA: Not applicable

14.6. Special precautions for user

ADR: Not regulated
RID: Not regulated
IMDG: Not regulated
IATA: Not regulated

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

No information available

SECTION 15: Regulatory information

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

European Union:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

- This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Substance subject to authorization per REACH Annex XIV	Restricted substance per REACH Annex XVII
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics		28. 29.
-		

Persistent Organic Pollutants: Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009: Not applicable

volatile organic compounds (VOC) content:

acc. reg. 2010/75/EG: 43 %
acc. reg. 2004/42/EG (Decopaint): 43 %

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National regulations:

Denmark:

Chemical name	Denmark - MAL
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4	0 m3/10 g substance MAL factor >=2.0 % by weight [2]
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	0 m3/10 g substance MAL factor >=2.0 % by weight [3]

Germany:

Water hazard class (WGK): slightly hazardous to water (WGK 1) - Classification according to AwSV

Chemical name	WGK Classification (AwSV)	ID number
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	1	-
Hexanoic acid, 2-ethyl-, zirconium salt (1:?) 22464-99-9	1	-
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4	1	4309
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	2	2305

TA Luft (German Air Pollution Control Regulation):

total dust incl. fine dust (digit 5.2.1): < 5%
org. substances (Ziffer 5.2.5): 40 - 45%
org. subst. (digit 5.2.5) class I: < 5%

Storage class (TRGS 510): 10 • LGK10 - Combustible liquids unless storage class 3

France:

Occupational Illnesses (R-463-3, France):

Chemical name	French RG number
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	RG 84

RG 84 - Occupational conditions caused by liquid organic solvents

Austria:

Flammable Liquids Regulations, VbF: Flammable liquids: AIII

Switzerland:

VOC content:: acc. VOCV CH 814.018, att. 1: 38 %

International Inventories:

TSCA Does not comply

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DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report: No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet:

Full text of H-Statements referred to under section 3:

- EUH066 - Repeated exposure may cause skin dryness or cracking
- 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
- H319 - Causes serious eye irritation
- H332 - Harmful if inhaled
- H360 - May damage fertility or the unborn child
- H361d - Suspected of damaging the unborn child
- H400 - Very toxic to aquatic life
- H412 - Harmful to aquatic life with long lasting effects

Legend:

- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
- ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route)
- AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany)
- BCF: Bio-Concentration Factor
- BOD(5): Biochemical oxygen demand (within 5 days)
- CAS: Chemical Abstract Service
- CLP: Classification, Labelling and Packaging
- CMR: Carcinogenic, Mutagenic, toxic for Reproduction
- DIN: German Standards Institute / German industrial norm
- DNEL: Derived No Effect Level
- DOC: Dissolved organic carbon
- EAK/ AVV: European waste catalogue/ waste directory-regulation

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008



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EC50: Effective Concentration 50%
ECHA: European Chemical Agency
EINECS: European Inventory of Existing Commercial Chemical Substances
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
IATA: International Air Transport Association
IC50: Inhibition Concentration 50%
IMDG: International Maritime Dangerous Goods Code
LC50: Lethal Concentration 50% - LD50: Lethal dose 50%
MAK: Treshold limit values Germany
NLP: No Longer Polymers
NOAEC: No Observed Adverse Effect Concentration
NOAEL: No Observed Adverse Effect Level
OECD: Organization for Economic Cooperation and Development
PBT: persistent, bioaccumulative, toxic
PC: Product category
PNEC: Predicted No Effect Concentration
REACH: Registration, Evaluation and Authorization of Chemicals
RID: Regulations concerning the international carriage of dangerous goods by rail
(Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL: Short-term Exposure Limit
STP: Sewage treatment plant
SVHC: Substance of Very High Concern
TLV: Threshold Limit Value
TWA: Time Weighted Average
UN: United Nations
VOC: Volatile Organic Compounds
vPvB: very persistent, very bioaccumulative

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ceiling: Maximum limit value

* Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS:

European Chemicals Agency (ECHA)

Agency for Toxic Substances and Disease Registry (ATSDR)

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U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGl(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Revision date: 02-Aug-2021

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006:

Disclaimer:

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End of Safety Data Sheet