

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: Kluthe Impraeigniergrund

Article number: 031250330000

UFI: 01S5-S0V8-K90Q-G6TD

Hazard components for labeling: Contains hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics

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

Regulation (EC) No 1272/2008

Aspiration hazard	Category 1 - (H304)
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2.2. Label elements



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Signal word: Danger

Hazard components for labeling:

Contains hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics

Hazard statements:

H304 - May be fatal if swallowed and enters airways.

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

EUH066 - Repeated exposure may cause skin dryness or cracking.

Precautionary Statements - EU (§28, 1272/2008):

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor

P331 - Do NOT induce vomiting

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

Additional information

This product requires child resistant fastenings when supplied to the general public unless the product is placed on the market in the form of aerosols or in a container with a sealed spray attachment.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

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)	75 - < 100
Hexanoic acid, 2-ethyl-, zirconium salt (1:?)	22464-99-9	245-018-1	01-2119979088-21	Repr. 2 (H361d)	0.1 - < 0.25
3-Iodo-2-propynyl butylcarbamate	55406-53-6	259-627-5	01-2120762115-60	Acute Tox. 4 (H302) Skin Sens. 1 (H317) Eye Dam. 1 (H318) Acute Tox. 3 (H331) STOT RE 1 (H372) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	0.01 - < 0.05
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	0.01 - < 0.05

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				(H412)	
Dipropylene glycol monomethyl ether	34590-94-8	252-104-2	01-2119450011-60	[B]	0.01 - < 0.05

[B] - Substance with a Community workplace exposure limit

Chemical name	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
3-Iodo-2-propynyl butylcarbamate 55406-53-6		10	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 (ATE_{mix}) 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
3-Iodo-2-propynyl butylcarbamate 55406-53-6	1470	2002	0.67	3	No data available
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	5005	5005	11	No data available	No data available
Dipropylene glycol monomethyl ether 34590-94-8	5350	9500	21	No data available	No data available

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice:	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
Inhalation:	Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical advice/attention. Delayed pulmonary edema may occur.
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

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Skin contact:	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
Ingestion:	ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.
Self-protection of the first aider:	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required.

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

Symptoms: Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

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

Note to physicians: Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

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. Use personal protective equipment as required.

Other information: Refer to protective measures listed in Sections 7 and 8.

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 containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Store away from other materials.

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
3-Iodo-2-propynyl butylcarbamate 55406-53-6		TWA: 0.005 ppm TWA: 0.058 mg/m ³				
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7					TWA: 0.1 mg/m ³	

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Chemical name	European Union	Germany	Netherlands	Spain	United Kingdom	Hungary
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 50 ppm TWA: 308 mg/m ³ *	TWA: 50 ppm TWA: 310 mg/m ³	TWA: 300 mg/m ³	TWA: 50 ppm TWA: 308 mg/m ³ vía dérmica*	TWA: 50 ppm TWA: 308 mg/m ³ STEL: 150 ppm STEL: 924 mg/m ³ Sk*	TWA: 308 mg/m ³

Chemical name	France	Italy	Portugal	Finland	Denmark	Czech Republic
Hexanoic acid, 2-ethyl-, zirconium salt (1:?) 22464-99-9			TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 1 mg/m ³	TWA: 5 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
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 50 ppm TWA: 308 mg/m ³ *	TWA: 50 ppm TWA: 308 mg/m ³ pelle*	TWA: 50 ppm TWA: 308 mg/m ³ STEL: 150 ppm P*	TWA: 50 ppm TWA: 310 mg/m ³ iho*	TWA: 50 ppm TWA: 309 mg/m ³ H*	TWA: 270 mg/m ³ Ceiling: 550 mg/m ³ D*

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	
3-Iodo-2-propynyl butylcarbamate 55406-53-6		TWA: 0.01 ppm TWA: 0.12 mg/m ³ STEL: 0.02 ppm STEL: 0.24 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	
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 50 ppm TWA: 307 mg/m ³ STEL 100 ppm STEL 614 mg/m ³ H*	TWA: 50 ppm TWA: 300 mg/m ³ STEL: 50 ppm STEL: 300 mg/m ³	STEL: 480 mg/m ³ TWA: 240 mg/m ³	TWA: 50 ppm TWA: 300 mg/m ³ STEL: 75 ppm STEL: 375 mg/m ³ H*	TWA: 50 ppm TWA: 308 mg/m ³ STEL: 150 ppm STEL: 924 mg/m ³ Sk*	

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:

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Chemical name	short term, local	short term, systemic	long term, local	long term, systemic
3-Iodo-2-propynyl butylcarbamate	1.16 mg/m ³	0.07 mg/m ³	1.16 mg/m ³	0.023 mg/m ³
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)			0.2351 mg/m ³	0.2351 mg/m ³
Dipropylene glycol monomethyl ether				308 mg/m ³

Worker - dermal:

Chemical name	short term, local	short term, systemic	long term, local	long term, systemic
3-Iodo-2-propynyl butylcarbamate				2 mg/kg bw/day
Dipropylene glycol monomethyl ether				283 mg/kg bw/day

Consumer - inhalative:

Chemical name	short term, local	short term, systemic	long term, local	long term, systemic
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)			0.037 mg/m ³	
Dipropylene glycol monomethyl ether				37.2 mg/m ³

Consumer - dermal:

Chemical name	short term, local	short term, systemic	long term, local	long term, systemic
Dipropylene glycol monomethyl ether				121 mg/kg bw/day

consumer - oral:

Chemical name	short term, local	short term, systemic	long term, local	long term, systemic
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)				0.0558 mg/kg bw/day
Dipropylene glycol monomethyl ether				36 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	3-Iodo-2-propynyl butylcarbamate
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Freshwater	0.5 µg/L
Marine water	0.046 µg/L
Intermittent release	0.53 µg/L
Freshwater sediment	0.017 mg/kg dry weight
Marine sediment	0.0016 mg/kg dry weight
Soil	0.005 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

Chemical name	Dipropylene glycol monomethyl ether
Freshwater	19 mg/L
Marine water	1.9 mg/L
Intermittent release	190 mg/L
Impact on Sewage Treatment	4168 mg/L
Freshwater sediment	70.2 mg/kg
Marine sediment	7.02 mg/kg
Soil	2.74 mg/kg

8.2. Exposure controls

Engineering controls: None under normal use conditions.

Personal protective equipment:



Eye/face protection: If splashes are likely to occur, wear safety glasses with side-shields.

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: Filtering device (full mask or mouthpiec AP-2

Environmental exposure controls: No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Liquid

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Color	amber					
Odor	characteristic					
Melting point / melting range				<i>Conditions</i>	<i>Method</i>	<i>Remarks</i>
						Not established
Boiling point / boiling range	>	100	°C			
Flammability						Not established
Decomposition temperature						not relevant
Flash point	>	63	°C			
Autoignition temperature						None known
Lower explosive limit						not relevant
Upper explosion limit						not relevant
Vapor pressure	>	1100	hPa	50 °C		
Density	~	0.825	g/cm ³	20 °C		
Water solubility						Immiscible
pH						Not applicable
pH (as aqueous solution)						Not applicable
Partition coefficient						Not established
Kinematic viscosity						Not applicable
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

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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.

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. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract.

Eye contact: Specific test data for the substance or mixture is not available. May cause irritation.

Skin contact: Repeated exposure may cause skin dryness or cracking.

Ingestion: Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics:

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Symptoms: Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

Numerical measures of toxicity:

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

ATEmix (inhalation-dust/mist) 9.81 mg/l

Component Information:

Chemical name	Parameter	Species	effektive 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	
3-Iodo-2-propynyl butylcarbamate 55406-53-6	Oral LD50	Rat	1470 mg/kg	
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	Oral LD50	Rat	> 5000 mg/kg	
Dipropylene glycol monomethyl ether 34590-94-8	Oral LD50	Rat	5.35 g/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	
3-Iodo-2-propynyl butylcarbamate 55406-53-6	Dermal LD50	Rat	> 2000 mg/kg	
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	Dermal LD50	Rabbit	> 5000 mg/kg	
Dipropylene glycol monomethyl ether 34590-94-8	Dermal LD50	Rabbit	9500 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	
3-Iodo-2-propynyl butylcarbamate 55406-53-6	Inhalation LC50	Rat	0.67 mg/L	4 h	
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	Inhalation LC50	Rat	> 10 mg/L	1 h	
Dipropylene glycol monomethyl ether 34590-94-8	Inhalation LC50	Rat	21 mg/L		

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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.

Chemical name	Exposure route	Target Organs
3-Iodo-2-propynyl butylcarbamate 55406-53-6	Inhalation	Larynx

Aspiration hazard: May be fatal if swallowed and enters airways.

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: The environmental impact of this product has not been fully investigated.

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	
3-Iodo-2-propynyl butylcarbamate 55406-53-6	LC50	Oncorhynchus mykiss	0.05 - 0.089 mg/L	96 h	
Dipropylene glycol monomethyl ether 34590-94-8	LC50	Pimephales promelas	> 10000 mg/L	96 h	

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toxicity to crustacea:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	EL0	Daphnia magna	1000 mg/L	48 h	
Dipropylene glycol monomethyl ether 34590-94-8	LC50	Daphnia magna	1919 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 -	EL0	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		
Dipropylene glycol monomethyl ether 34590-94-8	75 %	28 d	Yes		OECD 301F

12.3. Bioaccumulative potential

Bioaccumulation:

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	3	
3-Iodo-2-propynyl butylcarbamate 55406-53-6	2.81	
Dipropylene glycol monomethyl ether 34590-94-8	-0.064	

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
3-Iodo-2-propynyl butylcarbamate 55406-53-6	The substance is not PBT / vPvB PBT assessment does not apply
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	The substance is not PBT / vPvB
Dipropylene glycol monomethyl ether 34590-94-8	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)

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ADR: Not regulated
RID: Not regulated
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.
-		
3-Iodo-2-propynyl butylcarbamate 55406-53-6		75.

Persistent Organic Pollutants: Not applicable

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

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volatile organic compounds (VOC) content:
acc. reg. 2010/75/EG: 87 %
acc. reg. 2004/42/EG (Decopaint): ~ 715 g/L

National regulations:

Denmark:

Chemical name	Denmark - MAL
3-Iodo-2-propynyl butylcarbamate 55406-53-6	0 m3/10 g substance MAL factor >=1.0 % by weight [3]
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	0 m3/10 g substance MAL factor >=2.0 % by weight [3]
Dipropylene glycol monomethyl ether 34590-94-8	5 m3/10 g substance MAL factor >0 % by weight [1]

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	-
3-Iodo-2-propynyl butylcarbamate 55406-53-6	3	5207
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	2	2305
Dipropylene glycol monomethyl ether 34590-94-8	1	5087

TA Luft (German Air Pollution Control Regulation):
org. substances (Ziffer 5.2.5): 85 - 90%
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
Dipropylene glycol monomethyl ether 34590-94-8	RG 84

RG 84 - Occupational conditions caused by liquid organic solvents

Austria:

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Flammable Liquids Regulations, VbF: Flammable liquids: AIII

Switzerland:

VOC content:: acc. VOCV CH 814.018, att. 1: 86.7 %

International Inventories:

TSCA	Does not comply
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
- H331 - Toxic if inhaled
- H360 - May damage fertility or the unborn child
- H361d - Suspected of damaging the unborn child
- 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
- 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

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(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
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

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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)

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

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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