

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Proguard 169 Plus Part A

Revision date: 17.04.2023

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

##### 1.1. Product identifier

Proguard 169 Plus Part A

UFI: 9037-82DQ-T256-PKVW

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

###### Use of the substance/mixture

Coatings and paints, fillers, putties, thinners

###### Uses advised against

No data available

##### 1.3. Details of the supplier of the safety data sheet

Company name:	Chesterton International GmbH	
Street:	Am Lenzenfleck 23	
Place:	DK-85737 Ismaning GERMANY	
Telephone:	+49 89 99 65 46 - 0	Telefax: +49 89 99 65 46 - 50
e-mail:	eu-sds@chesterton.com	
Contact person:	eu-sds@chesterton.com	Telephone: +49 89 99 65 46 - 0
e-mail:	eu-sds@chesterton.com	
Internet:	www.chesterton.com	
Responsible Department:	eu-sds@chesterton.com	

##### 1.4. Emergency telephone number:

+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Regulation (EC) No 1272/2008

Flam. Liq. 3; H226  
Skin Irrit. 2; H315  
Skin Sens. 1; H317  
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

##### 2.2. Label elements

###### Regulation (EC) No 1272/2008

###### Hazard components for labelling

Acrylic Copolymer  
bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane  
Vetzuren, tall-olie, verbindingen met oleylamine

Signal word: Warning

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#### Pictograms:



#### Hazard statements

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P210	Keep away from heat. No Smoking.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
	Acrylic Copolymer			20 - < 25 %
	933-844-1			
	Skin Irrit. 2, Skin Sens. 1; H315 H317			
13463-67-7	titanium dioxide			10 - < 15 %
	236-675-5	022-006-00-2	01-2119489379-17	
	Carc. 2; H351			
1330-20-7	xylene			10 - < 15 %
	215-535-7	601-022-00-9		
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315			
136210-32-7	bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane			1 - < 5 %
	412-060-9	607-350-00-9	01-0000015937-58	
	Skin Sens. 1, Aquatic Chronic 3; H317 H412			
14808-60-7	Quartz			1 - < 5 %
	238-878-4		01-2120770509-45	
100-41-4	ethylbenzene			1 - < 5 %
	202-849-4	601-023-00-4	01-2119489370-35	
	Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 3; H225 H332 H373 H304 H412			
108-65-6	2-methoxy-1-methylethyl acetate			1 - < 5 %
	203-603-9	607-195-00-7	01-2119475791-29	
	Flam. Liq. 3, STOT SE 3; H226 H336			
64742-95-6	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified			1 - < 5 %
		649-356-00-4	01-2119455851-35	
	Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411 EUH066			
85711-55-3	Vetzuren, tall-olie, verbindingen met oleylamine			< 1 %
	288-315-1		01-2119974148-28	
	Acute Tox. 4, Skin Irrit. 2, Skin Sens. 1, STOT RE 2; H302 H315 H317 H373			

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

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#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
13463-67-7	236-675-5	titanium dioxide	10 - < 15 %
		oral: LD50 = > 2000 mg/kg	
1330-20-7	215-535-7	xylene	10 - < 15 %
		inhalation: LC50 = 6247 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 12126 mg/kg; oral: LD50 = 6631 mg/kg	
136210-32-7	412-060-9	bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane	1 - < 5 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg	
100-41-4	202-849-4	ethylbenzene	1 - < 5 %
		inhalation: LC50 = 17,2 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 15400 mg/kg; oral: LD50 = ca. 3500 mg/kg	
108-65-6	203-603-9	2-methoxy-1-methylethyl acetate	1 - < 5 %
		inhalation: LC50 = >23,878 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 6190 - 10000 mg/kg	
64742-95-6		Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	1 - < 5 %
		inhalation: LC50 = > 4,96 mg/l (vapours); inhalation: LC50 = > 5,61 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg	
85711-55-3	288-315-1	Vetzuren, tall-olie, verbindingen met oleylamine	< 1 %
		oral: LD50 = > 2000 mg/kg	

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### General information

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

###### After inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

###### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician.

###### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Remove contact lenses, if present and easy to do. Continue rinsing.

###### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let 1 glass of water be drunken in little sips (dilution effect).

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Do NOT induce vomiting.

#### **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**

First Aid, decontamination, treatment of symptoms.

### SECTION 5: Firefighting measures

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

- alcohol resistant foam
- Water spray jet
- Carbon dioxide (CO<sub>2</sub>)
- Dry extinguishing powder

##### **Unsuitable extinguishing media**

Full water jet

#### **5.2. Special hazards arising from the substance or mixture**

No information available.

#### **5.3. Advice for firefighters**

Co-ordinate fire-fighting measures to the fire surroundings.  
In case of fire: Wear self-contained breathing apparatus.

Special protective equipment for firefighters: Protective clothing.

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **General advice**

Avoid contact with skin, eyes and clothes.  
Safe handling: see section 7  
Personal protection equipment: see section 8

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Cover drains. Adverse environmental effects

#### **6.3. Methods and material for containment and cleaning up**

##### **For containment**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### **6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8

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Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Personal protection equipment: see section 8  
 Provide adequate ventilation as well as local exhaust at critical locations.

#### Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Take precautionary measures against static discharges.

#### Advice on general occupational hygiene

Work in well-ventilated zones or use proper respiratory protection. Only wear fitting, comfortable and clean protective clothing. Avoid contact with skin, eyes and clothes. Wash hands and face before breaks and after work and take a shower if necessary.

### 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. Keep/Store only in original container.

#### Hints on joint storage

Keep away from:  
 - Food and feedingstuffs

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
108-65-6	2-Methoxy-1-methylethylacetate	50	275		TWA (8 h)	
		100	550		STEL (15 min)	
100-41-4	Ethylbenzene	100	442		TWA (8 h)	
		200	884		STEL (15 min)	
14808-60-7	Quartz, respirable dust (crystalline silica)	-	0.1		TWA (8 h)	
13463-67-7	Titanium dioxide, total inhalable dust	-	10		TWA (8 h)	
1330-20-7	Xylene, mixed isomers	50	221		TWA (8 h)	
		100	442		STEL (15 min)	

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#### Biological limit values

CAS No	Substance	Parameter	Value	Test material	Sampling time
100-41-4	Ethyl benzene	Mandelic acid and phenylglyoxylic acid	0.7 g/g	Creatinine	End of shift at end of workweek

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#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
13463-67-7	titanium dioxide			
Worker DNEL, long-term		inhalation	local	1,25 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	700 mg/kg bw/day
1330-20-7	xylene			
Worker DNEL, long-term		inhalation	local	221 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	65,3 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	systemic	221 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	systemic	442 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	442 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	212 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	65,3 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	systemic	260 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	local	260 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	125 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	5 mg/kg bw/day
136210-32-7	bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane			
Worker DNEL, long-term		inhalation	systemic	84 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	systemic	672 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	11,9 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	14,5 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	systemic	14,5 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	4,2 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	4,2 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	4,2 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	4,2 mg/kg bw/day
100-41-4	ethylbenzene			
Worker DNEL, acute		inhalation	local	293 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	systemic	77 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	systemic	293 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	180 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	15 mg/m <sup>3</sup>



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Consumer DNEL, long-term	oral	systemic	1,6 mg/kg bw/day
108-65-6   2-methoxy-1-methylethyl acetate			
Worker DNEL, long-term	inhalation	systemic	275 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	local	550 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	796 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	33 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	local	33 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	320 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	36 mg/kg bw/day
64742-95-6   Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified			
Worker DNEL, acute	inhalation	systemic	1286,4 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	local	837,5 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	local	1066,67 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	systemic	1152 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	local	178,57 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	local	640 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	systemic	1,9 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	systemic	0,41 mg/m <sup>3</sup>
85711-55-3   Vetzuren, tall-olie, verbindingen met oleylamine			
Worker DNEL, long-term	dermal	systemic	0,024 mg/kg bw/day
Consumer DNEL, long-term	dermal	systemic	0,012 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,012 mg/kg bw/day

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#### PNEC values

CAS No	Substance	Value
Environmental compartment		
1330-20-7	xylene	
Freshwater		0,044 mg/l
Freshwater (intermittent releases)		0,01 mg/l
Marine water		0,004 mg/l
Freshwater sediment		2,52 mg/kg
Marine sediment		0,252 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,6 mg/l
Soil		0,852 mg/kg
136210-32-7	bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane	
Freshwater		0 mg/l
Marine water		0 mg/l
Freshwater sediment		0,21 mg/kg
Marine sediment		0,02 mg/kg
Micro-organisms in sewage treatment plants (STP)		31,1 mg/l
Soil		0,1 mg/kg
100-41-4	ethylbenzene	
Freshwater		0,1 mg/l
Freshwater (intermittent releases)		0,1 mg/l
Marine water		0,01 mg/l
Freshwater sediment		13,7 mg/kg
Marine sediment		1,37 mg/kg
Secondary poisoning		20 mg/kg
Micro-organisms in sewage treatment plants (STP)		9,6 mg/l
Soil		2,68 mg/kg
108-65-6	2-methoxy-1-methylethyl acetate	
Freshwater		0,635 mg/l
Freshwater (intermittent releases)		6,35 mg/l
Marine water		0,064 mg/l
Freshwater sediment		3,29 mg/kg
Marine sediment		0,329 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		0,29 mg/kg

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85711-55-3	Vetzuren, tall-olie, verbindingen met oleylamine
Secondary poisoning	0,47 mg/kg

#### 8.2. Exposure controls

##### Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Suitable eye protection:

- Eye glasses with side protection
- goggles

##### Hand protection

Tested protective gloves must be worn: EN ISO 374

NBR (Nitrile rubber),

Wearing time with permanent contact: Thickness of the glove material:  $\geq 0,4$  mm, Breakthrough time:  $>480$  min

Wearing time with occasional contact (splashes): Thickness of the glove material:  $\geq 0,1$  mm, Breakthrough time:  $> 30$  min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Breakthrough times and swelling properties of the material must be taken into consideration.

##### Skin protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

##### Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

##### Thermal hazards

No data available

##### Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	diverse	
Odour:	characteristic	
Melting point/freezing point:		No data available
Boiling point or initial boiling point and boiling range:		137 - 143 °C
Flammability		
Solid/liquid:		No data available

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Lower explosion limits:	1,1 vol. %
Upper explosion limits:	7,0 vol. %
Flash point:	30 °C
Auto-ignition temperature:	500 °C
Decomposition temperature:	No data available
Viscosity / kinematic: (at 20 °C)	> 60 mm <sup>2</sup> /s
Water solubility:	Immiscible
Solubility in other solvents	No information available.
Partition coefficient n-octanol/water:	No data available
Vapour pressure: (at 20 °C)	6,7 - 8,2 hPa
Density (at 20 °C):	1,489 g/cm <sup>3</sup>
Bulk density:	No data available
Relative vapour density:	No data available

#### **9.2. Other information**

##### **Information with regard to physical hazard classes**

Explosive properties

No information available.

Self-ignition temperature

Solid:

No data available

Gas:

No data available

Oxidizing properties

No information available.

##### **Other safety characteristics**

Evaporation rate:

not determined

Solid content:

78,2

Sublimation point:

No data available

Softening point:

No data available

Pour point:

No data available

##### **Further Information**

No information available.

### **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**

No known hazardous reactions.

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#### **10.4. Conditions to avoid**

No information available.

#### **10.5. Incompatible materials**

No information available.

#### **10.6. Hazardous decomposition products**

No known hazardous decomposition products.

### **SECTION 11: Toxicological information**

#### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

##### **Acute toxicity**

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

##### **ATEmix calculated**

ATE (dermal) 7382,6 mg/kg; ATE (inhalation vapour) 61,00 mg/l; ATE (inhalation dust/mist) 7,576 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
13463-67-7	titanium dioxide				
	oral	LD50 > 2000 mg/kg	Rat	Study report (1996)	OECD Guideline 401
1330-20-7	xylene				
	oral	LD50 6631 mg/kg	Rat	Publication (1962)	OECD Guideline 401
	dermal	LD50 12126 mg/kg	Rabbit	Publication (1962)	Single dermal dose under occlusion follo
	inhalation (4 h) vapour	LC50 6247 mg/l	Rat	Study report (1986)	EPA OPP 81-3
	inhalation dust/mist	ATE 1,5 mg/l			
136210-32-7	bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane				
	oral	LD50 > 2000 mg/kg	Rat	Study report (1990)	EU Method B.1
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1992)	EU Method B.3
100-41-4	ethylbenzene				
	oral	LD50 ca. 3500 mg/kg	Rat	AMA Arch. Ind. Health. 14:387-398. (1956)	No guideline available
	dermal	LD50 15400 mg/kg	Rabbit	GESTIS	
	inhalation (4 h) vapour	LC50 17,2 mg/l	Rat		
	inhalation dust/mist	ATE 1,5 mg/l			
108-65-6	2-methoxy-1-methylethyl acetate				
	oral	LD50 6190 - 10000 mg/kg	Rat	Study report (1985)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1985)	OECD Guideline 402
	inhalation (4 h) dust/mist	LC50 >23,878 mg/l	Rat		
64742-95-6	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1986)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1986)	OECD Guideline 402
	inhalation (4 h) vapour	LC50 > 4,96 mg/l	Rat	Study report (1992)	OECD Guideline 403
	inhalation (4 h) dust/mist	LC50 > 5,61 mg/l	Rat	Study report (1992)	OECD Guideline 403

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85711-55-3	Vetzuren, tall-olie, verbindingen met oleylamine				
	oral	LD50 mg/kg	> 2000	Rat	Study report (2011) OECD Guideline 423

#### Irritation and corrosivity

Causes skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

#### Sensitising effects

May cause an allergic skin reaction. (Acrylic Copolymer; bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane; Vetzuren, tall-olie, verbindingen met oleylamine)

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

#### 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.

#### Aspiration hazard

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

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

No data available

### SECTION 12: Ecological information

#### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
13463-67-7	titanium dioxide					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Carassius auratus	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 > 50 mg/l	72 h	Raphidocelis subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Artemia salina	REACH Registration Dossier	OECD Guideline 202
	Fish toxicity	NOEC >= 80 mg/l	6 d	Danio rerio	REACH Registration Dossier	OECD TG 210
	Algae toxicity	NOEC >= 1 mg/l	32 d	Synedra ulna, Scenedesmus quadricauda, Stigeocloni	Environ. Tox. Chem. 31, 2414-2422 (2012)	In this study, the authors report the re
	Crustacea toxicity	NOEC > 1 mg/l	10 d	Chironomus riparius	REACH Registration Dossier	other: OECD Guideline 219
	Acute bacteria toxicity	(EC50 > 1000 mg/l)	3 h	activated sludge, domestic	REACH Registration Dossier	OECD Guideline 209
1330-20-7	xylene					
	Acute fish toxicity	LC50 4,2 mg/l	96 h	Oncorhynchus mykiss	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 4,6 mg/l	72 h	Raphidocelis subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 10,389 mg/l	48 h	Daphnia magna	Publication (2015)	The endpoint calculated is the LL50, EL5
	Fish toxicity	NOEC 0,894 mg/l	21 d	Oncorhynchus mykiss	REACH Registration Dossier	OECD Guideline 210
	Crustacea toxicity	NOEC 1,17 mg/l	7 d	Ceriodaphnia dubia	Ecotoxicology and Environmental Safety 3	other: US EPA 600/4-91-003
	Acute bacteria toxicity	(EC50 > 175 mg/l)	0,5 h	Activated sludge	Research Journal WPCF 60(10) 1850-1856 (	OECD Guideline 209
136210-32-7	bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane					



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	Acute fish toxicity	LC50	66 mg/l	96 h	Danio rerio	Study report (1998)	OECD Guideline 203
	Crustacea toxicity	NOEC mg/l	0,013	21 d	Daphnia magna	Study report (2009)	EU Method C.20
100-41-4	ethylbenzene						
	Acute fish toxicity	LC50	4,2 mg/l	96 h	Oncorhynchus mykiss	Ecotoxicol. Environ. Saf. 16:158-169 (19)	OECD Guideline 203
	Acute algae toxicity	ErC50	4,6 mg/l	72 h	Raphidocelis subcapitata	Chemosphere 10(10): 1123-1126 (1981)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	1,8 - 2,4	48 h	Daphnia magna	Water Res. 27:903-909 (1993)	other: According to EPA method F
	Acute bacteria toxicity	(EC50 mg/l)	ca. 600	0,5 h	activated sludge, domestic	Study report (1988)	OECD Guideline 209
108-65-6	2-methoxy-1-methylethyl acetate						
	Acute fish toxicity	LC50	100 - 180 mg/l	96 h	Oncorhynchus mykiss	Study report (1987)	OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	> 1000	96 h	Raphidocelis subcapitata	Study report (1986)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	> 500	48 h	Daphnia magna	Study report (1987)	EU Method C.2
	Fish toxicity	NOEC mg/l	47,5	14 d	Oryzias latipes	Study report (1998)	OECD Guideline 204
	Crustacea toxicity	NOEC mg/l	>= 100	21 d	Daphnia magna	Study report (1998)	OECD Guideline 211
64742-95-6	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified						
	Acute fish toxicity	LL50	8,2 mg/l	96 h	Pimephales promelas	Study report (1995)	other: EPA 66013-75-009
	Acute algae toxicity	ErC50	3,1 mg/l	72 h	Raphidocelis subcapitata	Study report (1995)	OECD Guideline 201
	Acute crustacea toxicity	EL50	4,5 mg/l	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202
	Fish toxicity	NOEC	2,6 mg/l	21 d	Daphnia magna	Study report (1999)	other: OECD Guideline 211
	Crustacea toxicity	NOEC	2,6 mg/l	21 d	Daphnia magna	Study report (1999)	OECD Guideline 211
85711-55-3	Vetzuren, tall-olie, verbindingen met oleylamine						
	Acute fish toxicity	LL50 mg/l	> 100	96 h	Oncorhynchus mykiss	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50	7 mg/l	72 h	Raphidocelis subcapitata	REACH Registration Dossier	OECD Guideline 201

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	Acute crustacea toxicity	EL50 mg/l	15,2	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202
	Crustacea toxicity	NOEC < 4,6 mg/l	>= 2,3 -	21 d	Daphnia magna	REACH Registration Dossier	EU Method C.20
	Acute bacteria toxicity	(EC50 mg/l)	> 1000	3 h	activated sludge of a predominantly domestic sewage	REACH Registration Dossier	EU Method C.11

#### 12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
100-41-4	ethylbenzene			
	OECD 301B	79%	10	
	Readily biodegradable (according to OECD criteria).			

#### 12.3. Bioaccumulative potential

##### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
1330-20-7	xylene	3,15
136210-32-7	bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane	5,99
100-41-4	ethylbenzene	3,6
108-65-6	2-methoxy-1-methylethyl acetate	1,2
85711-55-3	Vetzuren, tall-olie, verbindingen met oleylamine	> 6,2

#### BCF

CAS No	Chemical name	BCF	Species	Source
13463-67-7	titanium dioxide	> 0,47 - < 3,19	Artemia salina	REACH Registration D
1330-20-7	xylene	60,3	Oncorhynchus mykiss	REACH Registration D
136210-32-7	bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane	0,25	Oncorhynchus mykiss	Study report (2010)
100-41-4	ethylbenzene	1	Oncorhynchus kisutch	Arch. Environ. Conta

#### 12.4. Mobility in soil

No information 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.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

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#### **12.7. Other adverse effects**

No information available.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Disposal recommendations**

Dispose of waste according to applicable legislation.

##### **Contaminated packaging**

Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of.

Dispose of waste according to applicable legislation.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

<b>14.1. UN number or ID number:</b>	UN 1263
<b>14.2. UN proper shipping name:</b>	PAINT
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	III
Hazard label:	3
Classification code:	F1
Special Provisions:	163 367 650
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	30
Tunnel restriction code:	D/E

#### **Inland waterways transport (ADN)**

<b>14.1. UN number or ID number:</b>	UN 1263
<b>14.2. UN proper shipping name:</b>	Paint
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	III
Hazard label:	3
Classification code:	F1
Special Provisions:	163 367 650
Limited quantity:	5 L
Excepted quantity:	E1

#### **Marine transport (IMDG)**

<b>14.1. UN number or ID number:</b>	UN 1263
<b>14.2. UN proper shipping name:</b>	PAINT
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	III
Hazard label:	3
Special Provisions:	163, 223, 367, 955

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Limited quantity: 5 L  
 Excepted quantity: E1  
 EmS: F-E, S-E

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** UN 1263  
**14.2. UN proper shipping name:** PAINT  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
 Hazard label: 3  
 Special Provisions: A3 A72 A192  
 Limited quantity Passenger: 10 L  
 Passenger LQ: Y344  
 Excepted quantity: E1  
 IATA-packing instructions - Passenger: 355  
 IATA-max. quantity - Passenger: 60 L  
 IATA-packing instructions - Cargo: 366  
 IATA-max. quantity - Cargo: 220 L

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

No information available.

#### 14.7. Maritime transport in bulk according to IMO instruments

not applicable

### SECTION 15: Regulatory information

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

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

2004/42/EC (VOC): 22,46 %

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.

Water hazard class (D): 2 - obviously hazardous to water

#### 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Acrylic Copolymer  
 titanium dioxide

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xylene  
bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane  
ethylbenzene  
2-methoxy-1-methylethyl acetate  
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified  
Vetzuren, tall-olie, verbindingen met oleylamine

### SECTION 16: Other information

#### 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)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer  
(Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
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)  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
EC50: Effect concentration, 50 percent  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Concentration  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

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

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Skin Irrit. 2; H315	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

#### Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H332 Harmful if inhaled.

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H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs (...) through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

#### Further Information

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

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