

Safety Data Sheet according to Regulation (EC) 'No. 2020/878

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking 8663 **Revision Date:** 20/02/2024 1.1 Product Identifier Supersedes Date: 11/01/2024 CARBOTHANE 134 HP - A **Product Name:** 4 Version Number: UFI Code: 4E7D-UGWQ-E20R-7WYK Yes Contain nanoform: 1.2 Relevant identified uses of the Base component of 2 components coating - Industrial use. Please see Technical Data substance or mixture and uses Sheet. Advised against: others than recommended advised against **URETHANE CONVERTER 811** Product to be mixed with: Mixing ratio by volume Part A/ 4/1Part B: Details of the supplier of the safety data sheet 1.3 Supplier: Carboline Italia, S.p.a. Via Margherita Viganò De Vizzi, 77 20092 Cinisello Balsamo (MI) Italy Regulatory / Technical Information: +32 67493710 Nivelles, Belgium +39 0294759236 Cinisello Balsamo, Italy Calcagno, Elena - hms@carboline.com **Datasheet Produced by:** CHEMTREC +1 703 5273887 (Outside US) 1.4 Emergency telephone number: 112 (24/7) Croatia +3851 2348 342 (24/7 in Croatian and English) Iceland 112 (24/7) Malta 112 (24/7)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

HAZARD STATEMENTS

Flammable Liquid, category 3	H226
Skin Sensitizer, category 1	H317
STOT, repeated exposure, category 1	H372
Hazardous to the aquatic environment, Chronic, category 3	H412

2.2 Label elements

Symbol(s) of Product



Signal Word

Danger

Named Chemicals on Label

quartz (silicon dioxide), Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

HAZARD STATEMENTS

Skin drying or cracking Other EU extensions	EUH066 EUH211	Repeated exposure may cause skin dryness or cracking. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Flammable Liquid, category 3	H226	Flammable liquid and vapour.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.
STOT, repeated exposure, category 1	H372	Causes damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment, Chronic, category 3	H412	Harmful to aquatic life with long lasting effects.
PRECAUTION PHRASES		
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P260	Do not breathe dust/fume/gas/mist/vapours/spray.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/ face protection.
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P333+313	If skin irritation or rash occurs: Get medical advice/attention.

2.3 Other hazards

No Information

Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/vPvB in accordance with Annex XIII.

Endocrine disrupting properties - Toxicity

Name According to EEC

CAS-No.

Based on the available data, the product does not contain substances identified as having endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentration of 0,1% or higher.

Endocrine disrupting properties - Ecotoxicity

Name According to EEC

CAS-No.

Based on the available data, the product does not contain substances identified as having endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentration of 0,1% or higher.

SECTION 3: Composition/Information On Ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Hazardous ingredients

Name According to EEC EINEC No. CAS-No. REACH Reg No.	<u>%</u>	Classifications	SCL Value: ATE Value: M-Factor:		
titanium dioxide 236-675-5	10 - <25		SCL Value:	-	
13463-67-7 01-2119489379-17			ATE Value:	-	
			M-Factor: (acute)	-	
			M-Factor: (chronic)	-	
quartz (silicon dioxide) 238-878-4	10 - <25	H372	SCL Value:	-	
14808-60-7 No Information		STOT RE 1	ATE Value:	-	
			M-Factor: (acute)	-	
			M-Factor: (chronic)	-	

I.	1		1	1
n-butyl acetate 204-658-1	10 - <25	H226-336	SCL Value:	-
123-86-4			ATE Value:	-
01-2119485493-29		Flam. Liq. 3, Skin Cracking, STOT SE 3 NE		
607-025-00-1			M-Factor: (acute)	-
			M-Factor: (chronic)	-
polytetrahydrofuran 607-637-9	2.5 - <10	H412	SCL Value:	-
25190-06-1			ATE Value:	-
No Information		Aquatic Chronic 3		
			M-Factor: (acute)	-
			M-Factor: (chronic)	-
2-methoxy-1-methylethyl- acetate	2.5 - <10	H226-336	SCL Value:	-
203-603-9			ATE Value:	-
108-65-6		Flam. Liq. 3, STOT SE 3 NE		
01-2119475791-29 607-195-00-7			M-Factor: (acute)	-
			M-Factor: (chronic)	-
xylene 215-535-7	2.5 - <10	H226-304-312-315-319-332-335-373-412	SCL Value:	-
1330-20-7			ATE Value:	-
01-2119488216-32		Acute Tox. 4 Dermal, Acute Tox. 4 Inhalation,		
601-022-00-9		Aquatic Chronic 3, Asp. Tox. 1, Eye Irrit. 2, Flam. Liq. 3, Skin Irrit. 2, STOT RE 2, STOT SE 3 RTI	M-Factor: (acute)	-
			M-Factor: (chronic)	-

Pentane-2,4-dione 204-634-0	1.0 - <2.5	H226-302-311-331	SCL Value:	-
123-54-6			ATE Value:	_
01-2119458968-15		Acute Tox. 3 Dermal, Acute Tox. 3 Inhalation,	ATE Value.	
606-029-00-0		Acute Tox. 4 Oral, Flam. Liq. 3	M-Factor: (acute)	-
			M-Factor: (chronic)	-
reaction mass ethylbenzene - xylene	0.1 - <1.0	H226-304-312-315-319-332-335-373	SCL Value:	-
905-588-0			ATE Value:	-
01-2119539452-40		Acute Tox. 4 Dermal, Acute Tox. 4 Inhalation, Asp. Tox. 1, Eye Irrit. 2, Flam. Liq. 3, Skin Irrit. 2, STOT RE 2, STOT SE 3 RTI	M-Factor: (acute)	-
			M-Factor: (chronic)	-
ethylbenzene 202-849-4	0.1 - <1.0	H225-304-332-373-412	SCL Value:	-
100-41-4			ATE Value:	-
01-2119489370-35		Acute Tox. 4 Inhalation, Aquatic Chronic 3,		
		Asp. Tox. 1, Flam. Liq. 2, STOT RE 2	M-Factor: (acute)	-
			M-Factor: (chronic)	-
Reaction mass of Bis(1,2,2,6,6- pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-	0.1 - <1.0	H317-361-400-410	SCL Value:	-
pentamethyl-4-piperidyl sebacate			ATE Value:	-
915-687-0		Aquatic Acute 1, Aquatic Chronic 1, Repr. 2,		
1065336-91-5		Skin Sens. 1A	M-Factor: (acute)	1
01-2119491304-40				
			M-Factor: (chronic)	1
Remarks: Note 10	1		•	·

Remarks: Note 10

Additional Information: T

The text for CLP Hazard Statements shown above (if any) is given in Section 16.

SECTION 4: First-aid Measures

4.1 Description of First Aid Measures

GENERAL NOTES: Show this safety data sheet to the doctor in attendance.

AFTER INHALATION: Provide fresh air, rest and warmth. Call a physician immediately. Give oxygen or artificial respiration if needed. When risk of unconsciousness, place and transport the victim in secured recovery position.

AFTER SKIN CONTACT: Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. Do not use solvent or thinners to clean skin. **AFTER EYE CONTACT:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.

AFTER INGESTION: If vomiting occurs spontaneously: Keep head below hips to prevent aspiration of stomach vomit into lungs. Provide fresh air, rest and warmth. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

May cause sensitization by skin contact. Danger of serious damage to health by prolonged exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11. When symptoms persist or in all cases of doubt seek medical advice.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

FOR SAFETY REASONS NOT TO BE USED: Alcohol, Alcohol based solutions, any other media not listed above. Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Heating or fire conditions liberates toxic gas. Flash back possible over considerable distance. As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Vapours may form explosive mixtures with air. Solvent vapours are heavier than air and may spread along floors and ignite.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Keep containers and surroundings cool with water spray.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition.

6.1.2 For emergency responders

See Section 7, 8 and 10 for further information.

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations

(see section 13).

6.4 Reference to other sections

FURTHER INSTRUCTIONS: Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 8 and 13 for further information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Electrical equipment should be protected to the appropriate standard. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Use only in area provided with appropriate exhaust ventilation. Provide sufficient air exchange and/or exhaust in work rooms. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Wear personal protective equipment. Do not breathe vapours or spray mist. Use only explosion-proof equipment.

Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: Avoid heat, sparks, flames and other ignition sources. **STORAGE CONDITIONS:** Store in original container. Keep locked up or in an area accessible only to qualified or authorised persons. Keep container closed. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Store in upright position only. Storage of flammable liquids. Store away from: oxidising materials, acids, and alkalis.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits

(EU)

Name	CAS-No.		LTEL ppm	STEL ppm	STEL mg/m3	LTEL mg/m3
titanium dioxide	13463-67-7					
quartz (silicon dioxide)	14808-60-7					
n-butyl acetate	123-86-4		50	150	723	241
polytetrahydrofuran	25190-06-1					
2-methoxy-1-methylethyl-acetate	108-65-6		50	100	550	275
xylene	1330-20-7		50	100	442	221
Pentane-2,4-dione	123-54-6					
reaction mass ethylbenzene - xylene						
ethylbenzene	100-41-4		100	200	884	442
Reaction mass of Bis(1,2,2,6,6- pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1065336-91-	5				
Name	CAS-No.	OEL Note				
titanium dioxide	13463-67-7					
quartz (silicon dioxide)	14808-60-7					
n-butyl acetate	123-86-4					
polytetrahydrofuran	25190-06-1					
2-methoxy-1-methylethyl-acetate	108-65-6	Sk				
xylene	1330-20-7	Sk				
Pentane-2,4-dione	123-54-6					

reaction mass ethylbenzene - xylene

ethylbenzene	100-41-4	Sk
Reaction mass of Bis(1,2,2,6,6- pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1065336-91-5	

FURTHER ADVICE: Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified under the EU CLP Regulation. Annotations: Carc = Capable of causing cancer and/or heritable genetic damage, Sen = Capable of causing occupational asthma, Sk = Can be absorbed through the skin.

Chemical Name:

titanium dioxide	
EC No.:	CAS-No.:
236-675-5	13463-67-7

DNELs - Derived no effect level

		Workers				Consumers			
Route of	Acute effect	Acute effects	Chronic	Chronic effects	Acute effect	Acute effects	Chronic	Chronic effects	
Exposure	local	systemic	effects local	systemic	local	systemic	effects local	systemic	
Oral		Not	required					700 mg/kg/ bw/	
								day	
Inhalation			5 mg/m ³				5 mg/m ³	-	
Dermal									

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.127 mg/L
Fresh water sediments	1000 mg/kg dw
Marine water	1 mg/L
Marine sediments	100 mg/kg dw
Food chain	1667 mg/kg (oral)
Microorganisms in sewage treatment	100 mg/kg
soil (agricultural)	100 mg/kg dw
Air	

Chemical Name:

CAS-No.:
123-86-4

DNELs - Derived no effect level

		Wo	orkers		Consumers			
Route of Exposure	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral		Not	required			2 mg/kg bw/ day - neurotoxicity-		2 mg/kg bw/day -neurotoxicity-
Inhalation	300 mg/m ³ (irritation (respiratory tract))	600 mg/m ³	300 mg/m ³	48 mg/m ³	300 mg/m ³ (irritation (respiratory tract))	300 mg/m ³ (irritation (respiratory tract))	35.7 mg/m ³ (irritation (respiratory tract))	12 mg/m ³
Dermal		11 mg/kg bw/ day - neurotoxicity-		7 mg/kg bw/day	No hazard identified	6 mg/kg bw/ day - neurotoxicity		3.4 mg/kg bw/ day

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.18 mg/l
Fresh water sediments	0.981 mg/kg
Marine water	0.018 mg/l
Marine sediments	0.0981 mg/kg
Food chain	
Microorganisms in sewage treatment	35.6 mg/L
soil (agricultural)	0.0903 mg/kg
Air	

Chemical Name:

2-methoxy-1-methylethyl-acetate

EC No.: CAS-No.: 203-603-9 108-65-6

DNELs - Derived no effect level

		Workers				Consumers			
Route of	Acute effect	Acute effects	Chronic	Chronic effects	Acute effect	Acute effects	Chronic	Chronic effects	
Exposure	local	systemic	effects local	systemic	local	systemic	effects local	systemic	
Oral	Not required					:	1.67 mg/kg		
Inhalation	550 mg/m ³		•	275 mg/m ³				33 mg/m ³	
Dermal		-		153.5 mg/kg				54.8 mg/kg	

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.635 mg/L
Fresh water sediments	3.29 mg/kg
Marine water	0.0635 mg/L
Marine sediments	0.329 mg/kg
Food chain	
Microorganisms in sewage treatment	100 mg/L
soil (agricultural)	0.29 mg/kg
Air	

Chemical Name:

CAS-No.:
1330-20-7

DNELs - Derived no effect level

	Workers				Consumers			
Route of Exposure	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required							1.6 mg/kg bw/ day
Inhalation Dermal	289 mg/m ³	289 mg/m ³		77 mg/m ³ 180 mg/kg bw/ day	174 mg/m ³	174 mg/m ³		14.8 mg/m ³ 108 mg/kg bw/ day

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.327 mg/L
Fresh water sediments	12.46 mg/kg
Marine water	0.327 mg/L
Marine sediments	12.46 mg/kg
Food chain	
Microorganisms in sewage treatment	6.58 mg/L
soil (agricultural)	2.31 mg/kg
Air	

Chemical Name:

Pentane-2,4-dione	
EC No.:	CAS-No.:
204-634-0	123-54-6

DNELs - Derived no effect level

		We	orkers		Consumers			
Route of	Acute effect	Acute effects	Chronic	Chronic effects	Acute effect	Acute effects	Chronic	Chronic effects
Exposure	local	systemic	effects local	systemic	local	systemic	effects local	systemic
Oral		Not required						7 mg/kg bw/day
Inhalation		84 m						24.7 mg/m ³
Dermal	12 mg/kg b			12 mg/kg bw/day				8.4 mg/kg bw/
					-			day

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.026 mg/l
Fresh water sediments	0.155 mg/kg
Marine water	0.0026 mg/l
Marine sediments	0.0155 ng/kg
Food chain	
Microorganisms in sewage treatment	
soil (agricultural)	0.01582 mg/kg
Air	

Chemical Name:

reaction mass et	hylbenzene - xylene
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EC No.: 905-588-0

CAS-No.:

DNELs - Derived no effect level

		Wo	orkers		Consumers			
Route of Exposure	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required			IUCAI	Systemic	enects local	1.6 mg/kg bw/	
					-			day
Inhalation	289 mg/m ³			77 mg/m ³				14.8 mg/m ³
Dermal				180 mg/kg bw/				108 mg/kg bw/
				day				day

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0,327 mg/L
Fresh water sediments	12.46 mg/kg sediment dw
Marine water	0,327 mg/L
Marine sediments	12.46 mg/kg sediment dw
Food chain	
Microorganisms in sewage treatment	
soil (agricultural)	2.31 mg/kg soil dw
Air	

Chemical Name:

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

EC No.:	CAS-No.:
915-687-0	1065336-91-5

DNELs - Derived no effect level

	Workers			Consumers				
Route of	Acute effect	Acute effects	Chronic	Chronic effects	Acute effect	Acute effects	Chronic	Chronic effects
Exposure	local	systemic	effects local	systemic	local	systemic	effects local	systemic
Oral	Not required			1.25 mg/kg		1.25 mg/kg		
Inhalation		2.35 mg/m3		2.35 mg/m3		0.58 mg/m3		0.58 mg/m3
Dermal		2.5 mg/kg		2.5 mg/kg		1.25 mg/kg		1.25 mg/kg

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.0022 mg/l
Fresh water sediments	1.05 mg/kg
Marine water	0.00022 mg/l
Marine sediments	0.11 mg/kg
Food chain	
Microorganisms in sewage treatment	1 mg/l (as sewage treatment)
soil (agricultural)	0.21 mg/kg
Air	

8.2 Exposure controls

Personal Protection

RESPIRATORY PROTECTION: Wear respiratory protection with combination filter (dust and gas filter, EN 14387:2004 +A1:2008) during spraying operations: Gas filter type A2 (organic substances). Dust filter P3 (for fine dust). When working in confined or poorly ventilated spaces, a battery powered assisted air-fed mask must be used.

EYE PROTECTION: If splashes are likely to occur, wear: Face-shield, tightly fitting safety goggles (EN 166).

HAND PROTECTION: Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature). Long sleeved clothing. Remove and wash contaminated clothing before re-use. Use chemical resistant gloves and lotions and barrier creams to prevent drying of the skin. Protective gloves

complying with EN 374: Butyl rubber. Nitril rubber. Recommended glove material for mixed product: Protective gloves complying with EN 374: Butyl rubber. Nitril rubber.

OTHER PROTECTIVE EQUIPMENT: Ensure that eyewash stations and safety showers are close to the workstation location.

ENGINEERING CONTROLS: Ensure adequate ventilation, especially in confined areas.

.1	Information on basic physical and chemical properties Colour: Multi Colours		
	Physical State	Liquid	
	Odor	Solvent	
	Odor threshold	Not determined	
	рН	Not determined	
	Melting point / freezing point (°C)	Not determined	
	Boiling point or initial boiling point and boiling range (°C)	126 - 152	
	Flash Point, (°C)	26	
	Evaporation rate	Not determined	
	Flammability (solid, gas)	Not determined	
	Llower and upper explosive limit	1 - 7.5	
	Vapour Pressure	Not determined	
	Relative vapour density	>1 (air = 1)	
	Density and/or relative density	Not determined	
	Solubility in / Miscibility with water	Negligible	
	Partition coefficient: n-octanol/water	Not determined	
	Auto-ignition temperature (°C)	>415	
	Decomposition temperature (°C)	Not determined	
	Kinematic viscosity	Not determined	
	Particle characteristics	Not applicable to liquids	
).2	Other information		
	VOC Content g/l:	430	

SECTION 10: Stability and Reactivity

Specific Gravity (g/cm3)

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

1.33

10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reactions No reactivity hazards known under normal storage and use conditions.

10.4 Conditions to avoid

Avoid heat, sparks, flames and other ignition sources.

10.5 Incompatible materials

Keep away from strong oxidising agents and strongly acid or alkaline materials.

10.6 Hazardous decomposition products

In case of fire **hazardous decomposition products** may be produced such as: Carbon monoxide (CO), carbon dioxide (CO2), oxides of nitrogen (NOx).

SECTION 11: Toxicological information

11.1 Information on hazard classes as definied in Regulation (EC) No 1272/2008

Acute Toxicity:	
Oral LD50:	No information available.
Inhalation LC50:	No information available.
Dermal LD50:	No information available.
Irritation:	No information available.
Corrosivity:	No information available.
Sensitization:	May cause an allergic skin reaction.
Repeated dose toxicity:	No information available.
Carcinogenicity:	No information available.
Mutagenicity:	No information available.
Toxicity for reproduction:	No information available.
STOT-single exposure:	No information available.
STOT-repeated exposure:	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard:	No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Name According to EEC	Oral LD50	Dermal LD50	Vapor LC50	Gas LC50	Dust/Mist LC50
13463-67-7	titanium dioxide	>5000 mg/kg (oral-rat)	10000 mg/kg	No information	No information	>6.82 mg/L (inh- rat-4h)
123-86-4	n-butyl acetate	10760 mg/kg (rat- oral)	14112 mg/Kg (rabbit-dermal)	23 mg/l/4/h (rat)	> 20000 ppm	No information
108-65-6	2-methoxy-1-methylethyl- acetate	6190 mg/kg (oral, rat)	>5000 mg/kg (dermal, rat)	1105 mg/m3/4H	No information	No information
1330-20-7	xylene	>2000 mg/kg (oral-rat)	1100 mg/kg (ATE dermal-rabbit)	11 mg/L (ATE inh/ vapour)	20001 ppm	>5 mg/l
123-54-6	Pentane-2,4-dione	575 mg/kg (LD50 oral. rat)	No information	5.10mg/l(LC50, rat, 4h)	No information	No information
	reaction mass ethylbenzene - xylene	3500 mg/kg oral, rat	1100 mg/kg dermal, rat	29.08 mg/kg/4h inhalation, rat	No information	No information
100-41-4	ethylbenzene	3500 mg/kg rat, oral	5510 mg/kg, rabbit	4000 ppm, rat, 4h	10000 ppm	1.5 mg/L

Additional Information:

This product may contain Ethyl Benzene, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effect, such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Respiration of solvent vapour may cause dizziness. Repeated and prolonged exposure to solvents may cause brain and nervous system damage. This product may contain Quartz (silicon dioxide), which is listed by IARC as a known carcinogenic to humans (Group 1). This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities. Chronic exposure causes drying effect on the skin and eczema. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Gas or vapour is harmful on prolonged exposure or in high concentrations. Irritant of eyes and mucous membranes. CNS depressant. Inhalation is the main hazard in industrial use. The solvent vapours can be harmful and cause headaches, nausea, and intoxication. Acts as a defatting agent on skin. Inhalation of vapour or mist can cause headache, nausea, irritation of nose, throat, and lungs.

11.2 Information on other hazards

Endocrine disrupting properties - Toxicity

Name According to EEC

CAS-No.

Based on the available data, the product does not contain substances identified as having endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentration of 0,1% or higher.

SECTION 12: Ecological Information

12.1 Toxicity:

	EC50 48hr (Daphnia):	No information		
	IC50 72hr (Algae):	No information		
	LC50 96hr (fish):	No information		
12.2	Persistence and degradability:	No information		
12.3	Bioaccumulative potential:	No information		
12.4	Mobility in soil:	No information		
12.5	Results of PBT and vPvB assessment:	The product does not meet th	e criteria for PBT/vPvB	in accordance with Annex XIII.
12.6	Endocrine disrupting properties			
	Endocrine disrupting properties - Ecotoxicit	у		
	Name According to EEC	CAS-No.		
	Based on the available data, the product do disrupting properties according to Commiss Regulation (EU) 2018/605 in concentration	ion Delegated Regulation (EU)		
12.7	Other adverse effects:	No information		
<u>CAS-</u>	No. Name According to EEC	<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
1346	3-67-7 titanium dioxide	>1000 mg/L (LC50, statisk, Daphnia magna OECD202)	 >100 mg/L (EC50, statisk, Pseudokirchnerella subcapitata, OECD201 	>1000 mg/L (LC50, statisk, Pimephales promelas, PPA-540/9-85-006)

123-86-4	n-butyl acetate	44 mg/L (Daphnia)	648 mg/L (Desmodesmus subspicatus)	18 mg/L (Pimephales promelas)
108-65-6	2-methoxy-1-methylethyl-acetate	>500 mg/L (Daphnia magna)	>1000 mg/L (ErC50, Pseudokirchneriella subcapitata)	>100 mg/L (Oryzias latipes)
1330-20-7	xylene	165 mg/L (Daphnia magna 24h)	3 - 5 mg/L (Selenastrum sp.)	2 - 11 mg/L (Roccus saxatilis), 8.2 mg/L (Salmo gairdneri), 13.5 mg/L (Lepomis macrichirus), 21.0 mg/L (Pimephales promelas)
123-54-6	Pentane-2,4-dione	34.4 mg/l (EC50, 48h, Daphnia magna)	8.36 - 83.22 mg/L	>71,70 mg/l (LC50, 96h, salmo gairdneri); 72 mg/l (LC50, 96h, raimbow trout)
100-41-4	ethylbenzene	1.37 mg/l	No information	32 mg/l (Bluegill)
1065336-91-	Reaction mass of Bis(1,2,2,6,6- 5 pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	No information	No information	0.97 mg/L (Lepomis macrochirus)

SECTION 13: Disposal Considerations

13.1 WASTE TREATMENT METHODS: Do not burn, or use a cutting torch on, the empty drum. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of waste material at an approved (hazardous) waste treatment/disposal facility in accordance with applicable local state, and federal regulations. Do not dispose of waste with normal garbage, or to sewer systems.

European Waste Code:	No Information
Packaging Waste Code:	No Information

Page 15 / 19

SECTION 14: Transport Information

		ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1	UN-number or ID number	UN1263	UN1263	UN1263	UN1263
14.2	UN proper shipping name	PAINT	PAINT	PAINT	PAINT
14.3	Transport Hazard Class(es)	3	3	3	3
14.4	Packing Group	Ш	111	III	
14.5	Enviromental Hazards	Marine pollutant: NO	Marine pollutant: NO	Marine pollutant: NO	Marine pollutant: NO

14.6 Special precautions for user EmS-No.: Not applicable

F-E, <u>S-E</u>

14.7 Maritime transport in bulk according to IMO Not applicable intruments

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation for the substance or mixture: National Regulations:

Denmark Product Registration Number:	Not available
Danish MAL Code:	Not available
Danish MAL Code - Mixture:	Not available
Sweden Product Registration Number:	Not available
Norway Product Registration Number:	Not available
Germany WGK Class:	Not available
Directive 2004/42/CE:	500 g/L (subcat j)
Covered by Directive 2012/18/EC (Seveso III):	P5c

Restrictions to product or to substances according to Annex XVII, Regulation (CE) 1907/2006:

Entry 3, 40

Annex XIV, Regulation (CE) 1907/2006 - Authorisation List:

CAS-No. Name According to EEC

Not Applicable

SVHC - Substances of very high concern (Candidate List - Art. 59 REACH):

CAS-No. Name According to EEC

Not Applicable

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other Information

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause 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.

Date Printed: 20/02/2024

Reasons for revision

Substance Hazard Threshold % Changed Composition Information Changed Substance and/or Product Properties Changed in Section(s): 01 - Identification

11 - Toxicological Information

List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

- The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark.

- Joint Research Centre in Ispra, Italy.
- Regulation (EC) 1272/2008 with subsequent amendments.
- Regulation (EC) 1272/2006 with subsequent amendments.
- Commission Regulation (EU) 2020/878
- EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"
- Safety Data Sheet from raw material supplier
- The classification declared in sec. 2.2 is based on the calculation methods set out in Annex I and Annex II of the CLP Reg. 1272/2008 on the composition of the formula.

Acronym & Abbreviation Key:

CLP	Classification, Labeling & Packaging Regulation
EC	European Commission
EU	European Union
US	United States
CAS	Chemical Abstract Service
EINECS	European Inventory of Existing Chemical Substances
REACH	Registration, Evaluation, Authorization of Chemicals Regulation
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
LTEL	Long term exposure limit
STEL	Short term exposure limit
OEL	Occupational exposure limit
ppm	Parts per million
mg/m3	Milligrams per cubic meter
TLV	Threshold Limit Value
ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety & Health Administration
PEL	Permissible Exposure Limits
VOC	Volatile organic compounds
g/l	Grams per liter
mg/kg	Milligrams per kilogram
N/A	Not applicable
LD50	Lethal dose at 50%
LC50	Lethal concentration at 50%
EC50	Half maximal effective concentration
IC50	Half maximal inhibitory concentration
PBT	Persistent bioaccumulative toxic chemical
vPvB	Very persistent and very bioaccumulative
EEC	European Economic Community
ADR	International Transport of Dangerous Goods by Road
RID	International Transport of Dangerous Goods by Rail
UN	United Nations
IMDG	International Maritime Dangerous Goods Code
IATA	International Air Transport Association
MARPOL	International Convention for the Prevention of Pollution From Ships, 1973 as
	modified by the Protocol of 1978
IBC	International Bulk Container
RTI	Respiratory Tract Irritation
NE	Narcotic Effects
IMO	International Maritime Organization
Note P:	The classification as a carcinogen or mutagen need not apply; the substance
	contains less than 0,1 % w/w benzene

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter \le 10 μ m.

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.