Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 - United Kingdom: Northern Ireland

## **SAFETY DATA SHEET**



TEKNODUR COMBI 3560-09 - All variants

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

1.1 Product identifier Product name

: FEKNODUR COMBI 3560-09 - All variants

**1.2 Relevant identified uses of the substance or mixture and uses advised againstProduct use**: Paint.

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

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

e-mail address of person : Prod-safe@teknos.com responsible for this SDS

#### . National contact

Teknos Ireland Limited, 52 Ballymoughan Road, Magherafelt, BT45 6HN, UK. Tel. +44 (0) 2879 301 472.

### **1.4 Emergency telephone number**

National advisory body/Poison Centre

Telephone number : NHS: 111

### **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 3, H226 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 2, H411

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements

Hazard pictograms



Signal word	Danger	
Hazard statements	H226 - Flammable liquid and vapour. H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H411 - Toxic to aquatic life with long lasting effects.	
Precautionary statements		
Prevention	<ul> <li>P280 - Wear protective gloves, protective clothing and eye or face protection.</li> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignit sources. No smoking.</li> <li>P273 - Avoid release to the environment.</li> </ul>	ion

### **SECTION 2: Hazards identification**

Response	:	P391 - Collect spillage. P304 + P310 - IF INHALED: Immediately call a POISON CENTER or doctor.
Storage	1	Not applicable.
Disposal	:	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	:	Contains: bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane; 1,3,3-trimethyl-N-(2-methylpropylidene)-5-[(2-methylpropylidene)amino]- cyclohexanemethylamine; tetraethylN,N'-(methylenedicyclohexane-4,1-diyl)bis-dl- aspartate and Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
Supplemental label elements	:	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	
2.3 Other hazards		
Product meets the criteria for PBT or vPvB according to Regulation (EC) No.	:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

1907/2006, Annex XIIIOther hazards which do: None known.not result in classification

### **SECTION 3: Composition/information on ingredients**

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
<mark>ti</mark> tanium dioxide	REACH #: 01-2119489379-17 EC: 236-675-5 CAS: 13463-67-7	≥10 - ≤25	Carc. 2, H351 (inhalation)	-	[1] [*]
bis(4-(1,2-bis (ethoxycarbonyl)ethylamino) -3-methylcyclohexyl) methane	REACH #: 01-0000015937-58 EC: 412-060-9 CAS: 136210-32-7 Index: 607-350-00-9	≥10 - ≤25	Skin Sens. 1, H317 Aquatic Chronic 3, H412	-	[1]
Trizinc bis(orthophosphate)	REACH #: 01-2119485044-40 EC: 231-944-3 CAS: 7779-90-0 Index: 030-011-00-6	≤10	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
1,3,3-trimethyl-N- (2-methylpropylidene)-5-[ (2-methylpropylidene) amino]- cyclohexanemethylamine	REACH #: 01-2119978283-28 EC: 259-393-4 CAS: 54914-37-3	≤10	Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317	-	[1]
tetraethylN,N'- (methylenedicyclohexane- 4,1-diyl)bis-dl-aspartate	REACH #: 01-0000017556-64 EC: 429-270-1 CAS: 136210-30-5 Index: 607-521-00-8	≤5	Skin Sens. 1, H317 Aquatic Chronic 3, H412	-	[1]

SECTION 3: Composition/information on ingredients					
n-Butyl acetate	REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1	≤5	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	-	[1] [2]
2-Methoxy-1-methylethyl acetate	REACH #: 01-2119475791-29 EC: 203-603-9 CAS: 108-65-6 Index: 607-195-00-7	≤5	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1] [2]
Reaction mass of Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate	REACH #: 01-2119491304-40 EC: 915-687-0 CAS: 1065336-91-5	≤1	Skin Sens. 1A, H317 Repr. 2, H361f Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
Zinc oxide	REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7	≤0.3	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
			See Section 16 for the full text of the H statements declared above.		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[\*] The classification as a carcinogen by inhalation applies only to mixtures placed on the market in powder form containing 1% or more of titanium dioxide particles with aerodynamic diameter  $\leq$  10 µm not bound within a matrix.

Occupational exposure limits, if available, are listed in Section 8.

### **SECTION 4: First aid measures**

4.1 Description of first aid measures			
Eye contact	: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.		
Inhalation	: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.		
Skin contact	: Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.		

## SECTION 4: First aid measures

Ingestion	: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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

Over-exposure signs/s	<u>symptoms</u>
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains

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

Notes to physician	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.

### **SECTION 5: Firefighting measures**

5.1 Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.

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

Hazards from the substance or mixture	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides phosphorus oxides metal oxide/oxides

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

### **SECTION 5: Firefighting measures**

J	5
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

### **SECTION 6: Accidental release measures**

6.1 Personal precautions, pro	te	ctive equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
6.3 Methods and material for	<u>.</u>	ntainment and cleaning up

Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

### **SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain
	product residue and can be hazardous. Do not reuse container.

### **SECTION 7: Handling and storage**

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L	Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional
		information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### Seveso Directive - Reporting thresholds

### Danger criteria

	Notification and MAPP threshold	Safety report threshold
₽5c	5000 tonnes	50000 tonnes
E2	200 tonnes	500 tonnes

### 7.3 Specific end use(s)

- Recommendations
- Not available.Not available.

# Industrial sector specific solutions

### **SECTION 8: Exposure controls/personal protection**

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### **Occupational exposure limits**

Product/ingredient name	Exposure limit values
-Butyl acetate	EH40/2005 WELs (United Kingdom (UK), 1/2020) STEL 15 minutes: 966 mg/m <sup>3</sup> . STEL 15 minutes: 200 ppm. TWA 8 hours: 724 mg/m <sup>3</sup> .
2-Methoxy-1-methylethyl acetate	TWA 8 hours: 150 ppm. <b>EH40/2005 WELs (United Kingdom (UK), 1/2020)</b> Absorbed through skin. STEL 15 minutes: 548 mg/m <sup>3</sup> . TWA 8 hours: 50 ppm. TWA 8 hours: 274 mg/m <sup>3</sup> . STEL 15 minutes: 100 ppm.

#### **Biological exposure indices**

Product/ingredient name		Exposure indices	
No exposure indices known.			
No exposure indices known.         Recommended monitoring procedures         is recommended monitoring procedures         : Reference should European Standa assessment of exvalues and meas atmospheres - G of exposure to ch (Workplace atmos for the measurem for the measur		Id be made to monitoring standards, such as the following: dard EN 689 (Workplace atmospheres - Guidance for the exposure by inhalation to chemical agents for comparison with limit surement strategy) European Standard EN 14042 (Workplace Guide for the application and use of procedures for the assessment chemical and biological agents) European Standard EN 482 nospheres - General requirements for the performance of procedures ment of chemical agents) Reference to national guidance nethods for the determination of hazardous substances will also be	

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#### **DNELs/DMELs**

Product/ingredient name

#### Result

**DNEL - General population - Long term - Inhalation** 28 μg/m<sup>3</sup> Effects: Local

DNEL - Workers - Long term - Inhalation 170 µg/m<sup>3</sup> Effects: Local

DNEL - General population - Short term - Oral 4.2 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - General population - Long term - Oral** 4.2 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - General population - Short term - Dermal** 4.2 mg/kg bw/day Effects: Systemic

**DNEL - General population - Long term - Dermal** 4.2 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - Workers - Long term - Dermal** 11.9 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - General population - Short term - Inhalation** 14.5 mg/m<sup>3</sup> <u>Effects</u>: Systemic

**DNEL - General population - Long term - Inhalation** 14.5 mg/m<sup>3</sup> <u>Effects</u>: Systemic

**DNEL - Workers - Long term - Inhalation** 84 mg/m<sup>3</sup> <u>Effects</u>: Systemic

DNEL - Workers - Short term - Inhalation 672 mg/m<sup>3</sup> Effects: Systemic

**DNEL - General population - Long term - Oral** 0.3 mg/kg bw/day <u>Effects:</u> Systemic

**DNEL - Workers - Short term - Inhalation** 0.073 mg/m<sup>3</sup> Effects: Local

**DNEL - Workers - Long term - Inhalation** 0.073 mg/m<sup>3</sup> Effects: Local

**DNEL - General population - Short term - Oral** 1.4 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - General population - Long term - Oral** 1.4 mg/kg bw/day <u>Effects</u>: Systemic

bis(4-(1,2-bis(ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane

1,3,3-trimethyl-N-(2-methylpropylidene)-5-[ (2-methylpropylidene)amino]cyclohexanemethylamine

tetraethylN,N'-(methylenedicyclohexane-4,1-diyl)bis-dl-aspartate

**DNEL - General population - Short term - Dermal** 1.4 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - General population - Long term - Dermal** 1.4 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - Workers - Long term - Dermal** 4 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - General population - Short term - Inhalation** 4.8 mg/m<sup>3</sup> <u>Effects</u>: Systemic

**DNEL - General population - Long term - Inhalation** 4.8 mg/m<sup>3</sup> Effects: Systemic

**DNEL - Workers - Long term - Inhalation** 28 mg/m<sup>3</sup> <u>Effects</u>: Systemic

**DNEL - Workers - Short term - Inhalation** 112 mg/m<sup>3</sup> <u>Effects</u>: Systemic

**DNEL - General population - Long term - Oral** 2 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - General population - Short term - Oral** 2 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - General population - Long term - Dermal** 3.4 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - General population - Short term - Dermal** 6 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - Workers - Long term - Dermal** 7 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - Workers - Short term - Dermal** 11 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - General population - Long term - Inhalation** 12 mg/m<sup>3</sup> <u>Effects:</u> Systemic

**DNEL - General population - Long term - Inhalation** 35.7 mg/m<sup>3</sup> Effects: Local

DNEL - Workers - Long term - Inhalation 48 mg/m<sup>3</sup> Effects: Systemic

**DNEL - General population - Short term - Inhalation** 

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n-Butyl acetate

300 mg/m³ <u>Effects</u>: Local

**DNEL - General population - Short term - Inhalation** 300 mg/m<sup>3</sup> Effects: Systemic

**DNEL - Workers - Long term - Inhalation** 300 mg/m<sup>3</sup> <u>Effects</u>: Local

**DNEL - Workers - Short term - Inhalation** 600 mg/m<sup>3</sup> <u>Effects</u>: Local

**DNEL - Workers - Short term - Inhalation** 600 mg/m<sup>3</sup> <u>Effects</u>: Systemic

**DNEL - General population - Long term - Inhalation** 33 mg/m<sup>3</sup> Effects: Local

**DNEL - General population - Long term - Inhalation** 33 mg/m<sup>3</sup> <u>Effects</u>: Systemic

**DNEL - General population - Long term - Oral** 36 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - Workers - Long term - Inhalation** 275 mg/m<sup>3</sup> <u>Effects</u>: Systemic

**DNEL - General population - Long term - Dermal** 320 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - Workers - Short term - Inhalation** 550 mg/m<sup>3</sup> Effects: Local

**DNEL - Workers - Long term - Dermal** 796 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - General population - Long term - Oral** 0.18 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - General population - Long term - Inhalation** 0.31 mg/m<sup>3</sup> <u>Effects</u>: Systemic

**DNEL - General population - Long term - Dermal** 0.9 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Long term - Inhalation 1.27 mg/m<sup>3</sup> Effects: Systemic

**DNEL - Workers - Long term - Dermal** 1.8 mg/kg bw/day

2-Methoxy-1-methylethyl acetate

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

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Effects: Systemic

### **PNECs**

Not available.

8.2 Exposure controls			
Appropriate engineering controls	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.		
Individual protection meas	ures		
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.		
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.		
Skin protection			
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.		
	Recommendations : Wear suitable gloves tested to EN374.		
	< 1 hour (breakthrough time): Nitrile gloves. thickness > 0.3 mm		
	1 - 4 hours (breakthrough time): polyvinyl alcohol (PVA) thickness > 0.3 mm or 4H / Silver Shield® gloves.		
	> 8 hours (breakthrough time): Viton® thickness > 0.3 mm gloves		
	Wash hands before breaks and immediately after handling the product.		
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.		
Other skin protection	<ul> <li>Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</li> </ul>		
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.		
	Filter type: A		
	Filter type (spray application): A P		

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<b>Environmental expo</b>	sure
controls	

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### **SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

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

Appearance	
Physical state	: Liquid.
Colour	: Various
Odour	: Slight
Odour threshold	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	:

Ingredient name	°C	°F	Method
<mark>p≁</mark> Butyl acetate	126	258.8	OECD 103
2-Methoxy-1-methylethyl acetate	145.8	294.4	OECD 103

Flammability	: Not available.
Lower and upper explosion limit	: <b>∠</b> ower: 1.4% (n-butyl acetate) Upper: 7.6% (n-butyl acetate)
Flash point	: Closed cup: 25°C (77°F)

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#### Auto-ignition temperature

Ingredient name	°C	°F	Method
2-Methoxy-1-methylethyl acetate	333	631.4	DIN 51794
tetraethylN,N'-(methylenedicyclohexane-4,1-diyl)bis- dl-aspartate	375	707	EU A.15

Decomposition temperature	\$	Not available.
рН	:	Not applicable.
Viscosity	:	Not available.
Solubility(ies)	:	
Not available.		
Solubility in water	:	Not available.
Partition coefficient: n-octanol/ water	:	Not applicable.

#### Vapour pressure

	Vapour Pressure at 20°C		Vapour pressure at 50°			
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
p-Butyl acetate	11.25096	1.5	DIN EN 13016-2			
2-Methoxy-1-methylethyl acetate	2.7	0.36	OECD 104			
Relative density	: Not	available.		<b>!</b>		•
Density	: 1.8	g/cm³				
/apour density	: Not	available.				
Particle characteristics						
Median particle size	: Not	applicable.				

#### 9.2 Other information

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

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### **SECTION 9: Physical and chemical properties**

Explosive	properties

: Not available.

### **Oxidising properties** : Not available.

### 9.2.2 Other safety characteristics

Not applicable.

### **SECTION 10: Stability and reactivity**

10.1 Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	The product is stable.
10.3 Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
10.5 Incompatible materials	:	Reactive or incompatible with the following materials: oxidising materials
10.6 Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

<u>Acute toxicity</u> Product/ingredient name	Result	
p-Butyl acetate	<b>Rat - Oral - LD50</b> 10760 mg/kg EU	
	Rabbit - Dermal - LD50 14112 mg/kg	
	Rat - Inhalation - LC50 Vapour 0.74 mg/l [4 hours]	
2-Methoxy-1-methylethyl acetate	<b>Rat - Oral - LD50</b> 8532 mg/kg	
	<b>Rabbit - Dermal - LD50</b> >5 g/kg	
Reaction mass of Bis(1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	<b>Rat - Oral - LD50</b> 3230 mg/kg	
	<b>Rat - Dermal - LD50</b> >3170 mg/kg	

### SECTION 11. Toxicological information

	ation				
Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
-Butyl acetate     2-Methoxy-1-methylethyl acetate	10760 8532	14112 N/A	N/A N/A	N/A N/A	N/A N/A
Reaction mass of Bis(1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	3230	N/A N/A	N/A N/A	N/A N/A	N/A N/A

### Skin corrosion/irritation

n-Butyl acetate

Zinc oxide

### **Product/ingredient name** Result tifanium dioxide Human - Skin - Mild irritant Duration of treatment/exposure: 72 hours Amount/concentration applied: 300 ug l Rabbit - Skin - Moderate irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg Rabbit - Skin - Mild irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg Product/ingredient name Result ritant <u>d</u>: 100 mg Rabbit - Eyes - Mild irritant

**Conclusion/Summary [Product]** : Not available.

### Serious eye damage/eye irritation

pís(4-(1,2-bis(ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane	Rabbit - Eyes - Mild irritant
n-Butyl acetate	Rabbit - Eyes - Moderate irr Amount/concentration applied
Zinc oxide	Rabbit - Eyes - Mild irritant

### Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg

**Conclusion/Summary** 

Non-irritating to the eyes.

### Conclusion/Summary [Product] : Not available. **Ingredient name**

bis(4-(1,2-bis(ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane

### **Respiratory corrosion/irritation**

Not available.

Conclusion/Summary [Product] : Not available.

### Respiratory or skin sensitization

Not available.

### Skin

**Conclusion/Summary** [Product] : Not available.

### Respiratory

**Conclusion/Summary [Product]** : Not available.

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

Germ cell mutagenicity

Not available.

**Conclusion/Summary [Product]** : Not available.

#### **Carcinogenicity**

It has been observed that the carcinogenic hazard of this product arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. Not available.

**Conclusion/Summary [Product]** : Not available.

#### **Reproductive toxicity**

Not available.

**Conclusion/Summary [Product]** : Not available.

Specific target organ toxicity (single exposure)	
Product/ingredient name	Result
-Butyl acetate	STOT SE 3, H336 (Narcotic effects)
2-Methoxy-1-methylethyl acetate	STOT SE 3, H336 (Narcotic effects)

### Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard	
Not available.	
Information on likely routes of	<u>of exposure</u>
Not available.	
Potential acute health effects	
Eye contact	: Causes serious eye damage.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes severe burns. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Symptoms related to the phy	sical, chemical and toxicological characteristics
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
Delayed and immediate effec	ts as well as chronic effects from short and long-term exposure
<u>Short term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	

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

	5
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health eff	<u>ects</u>
Not available.	
Conclusion/Summary [Pr	oduct] : Not available.
General	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

### 11.2 Information on other hazards

**11.2.1 Endocrine disrupting properties** 

Not available.

**Conclusion/Summary [Product]** : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

### **11.2.2 Other information**

Not available.

### **SECTION 12: Ecological information**

12.1 Toxicity	
Product/ingredient name Manium dioxide	Result Acute - LC50 - Marine water Fish - Mummichog - <i>Fundulus heteroclitus</i> >1000000 μg/l [96 hours] Effect: Mortality
	<b>Acute - LC50 - Fresh water</b> Crustaceans - Water flea - <i>Ceriodaphnia dubia</i> - Neonate <u>Age</u> : <24 hours 3 mg/l [48 hours] <u>Effect</u> : Mortality
bis(4-(1,2-bis(ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane	<b>Acute - LC50</b> Fish 66 mg/l [96 hours]
	<b>Acute - EC50</b> Daphnia 88.6 mg/l [48 hours]
	<b>Acute - EC50</b> Algae 113 mg/l [72 hours]
Trizinc bis(orthophosphate)	<b>Acute - EC50</b> Crustaceans - <i>Ceriodaphnia dubia</i> 0.96 mg/l [48 hours]
	<b>Acute - EC50</b> Algae - <i>Selenastrum capricornutum</i> 0.32 mg/l [72 hours]
tetraethylN,N'-(methylenedicyclohexane- 4,1-diyl)bis-dl-aspartate	<b>Acute - LC50</b> Fish 66 mg/l [96 hours]
	Acute - EC50

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SECTION 12: Ec	ological information
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Reaction mass of Bis(1,2,2,6,6-pentamethyl-

1,2,2,6,6-pentamethyl-4-piperidyl sebacate

4-piperidyl) sebacate and Methyl

n-Butyl acetate

#### Daphnia 88.6 mg/l [48 hours]

Acute - EC50

Algae 113 mg/l [72 hours]

#### Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas* <u>Age</u>: 31 to 32 days; <u>Size</u>: 21.6 mm; <u>Weight</u>: 0.175 g 18000 µg/l [96 hours] <u>Effect</u>: Mortality

### Acute - LC50 - Marine water

Crustaceans - Brine shrimp - *Artemia salina* 32 mg/l [48 hours] <u>Effect</u>: Mortality

### Acute - LC50

OECD [Fish, Acute Toxicity Test] Fish - *Brachydanio rerio* 0.9 mg/l [96 hours]

### EC50

OECD [Alga, Growth Inhibition Test] Aquatic plants - *Desmodesmodus subspicatus* 1.68 mg/l [72 hours]

### Chronic - NOEC

OECD [Daphnia Magna Reproduction Test] Daphnia - Daphnia 1 mg/l [21 days]

#### Acute - LC50 - Fresh water

Daphnia - Water flea - *Daphnia magna* - Neonate <u>Age</u>: <24 hours 98 μg/l [48 hours] Effect: Mortality

#### Acute - IC50 - Fresh water

Algae - Green algae - *Pseudokirchneriella subcapitata* -Exponential growth phase 46 μg/l [72 hours] <u>Effect</u>: Population

#### Acute - LC50 - Fresh water

US EPA Fish - Rainbow trout,donaldson trout - *Oncorhynchus mykiss* <u>Weight</u>: 0.78 g 1.1 ppm [96 hours] Effect: Mortality

### Conclusion/Summary [Product] : Not available.

### 12.2 Persistence and degradability

Not available.

Zinc oxide

Conclusion/Summary [Product] : Not available.

#### 12.3 Bioaccumulative potential

: 28/10/2022

### **SECTION 12: Ecological information**

SECTION 12. ECOlog							
Product/ingredient name	LogPow	BCF	Potential				
♥is(4-(1,2-bis (ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane	5.99	0.25	Low				
Trizinc bis(orthophosphate)	-	60960	High				
tetraethylN,N'- (methylenedicyclohexane- 4,1-diyl)bis-dl-aspartate	5.16	0.25	Low				
n-Butyl acetate	2.3	-	Low				
2-Methoxy-1-methylethyl acetate	1.2	-	Low				
Zinc oxide	-	28960	High				

### 12.4 Mobility in soil

#### Soil/water partition coefficient

Product/ingredient name	logKoc	Кос	
s(4-(1,2-bis(ethoxycarbonyl) ethylamino)-3-methylcyclohexyl)methane	4.86	73137.1	
	3.09	1243.57	
tetraethylN,N'-(methylenedicyclohexane- 4,1-diyl)bis-dl-aspartate	4.69	49262.1	
n-Butyl acetate	1.52	33.2139	
2-Methoxy-1-methylethyl acetate	0.36	2.31363	

#### **Results of PMT and vPvM assessment**

Product/ingredient name	PMT	Р	М	Т	vPvM	vP	vM
titanium dioxide	No	No	No	No	No	No	No
bis(4-(1,2-bis (ethoxycarbonyl)ethylamino) -3-methylcyclohexyl) methane	No	No	No	No	No	No	No
Trizinc bis(orthophosphate)	No	No	No	No	No	No	No
1,3,3-trimethyl-N- (2-methylpropylidene)-5-[ (2-methylpropylidene)amino] -cyclohexanemethylamine	No	No	No	No	No	No	No
tetraethylN,N'- (methylenedicyclohexane- 4,1-diyl)bis-dl-aspartate	No	No	No	No	No	No	No
n-Butyl acetate	No	No	No	No	No	No	No
2-Methoxy-1-methylethyl acetate	No	No	No	No	No	No	No
Reaction mass of Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate	No	No	No	No	No	No	No
Zinc oxide	No	No	No	No	No	No	No

**Conclusion/Summary** 

: The product does not meet the criteria to be considered as a PMT or vPvM.

### 12.5 Results of PBT and vPvB assessment Regulation (EC) No. 1907/2006 [REACH]

Product/ingredient name	PBT	Р	В	т	vPvB	vP	vB
iitanium dioxide	No	No	No	No	No	No	No
ois(4-(1,2-bis	No	No	No	No	No	No	No
(ethoxycarbonyl)ethylamino)							
3-methylcyclohexyl)methane							
Trizinc bis(orthophosphate)	No	No	No	No	No	No	No
1,3,3-trimethyl-N-	No	No	No	No	No	No	No
(2-methylpropylidene)-5-[							
(2-methylpropylidene)amino]							
cyclohexanemethylamine							
tetraethylN,N'-	No	No	No	No	No	No	No
methylenedicyclohexane-							
4,1-diyl)bis-dl-aspartate							
n-Butyl acetate	No	No	No	No	No	No	No
2-Methoxy-1-methylethyl	No	No	No	No	No	No	No
acetate							
Reaction mass of Bis	No	No	No	No	No	No	No
(1,2,2,6,6-pentamethyl-							
4-piperidyl) sebacate and							
Methyl							
1,2,2,6,6-pentamethyl-							
4-piperidyl sebacate							
Zinc oxide	No	No	No	No	No	No	No
Regulation (EC) No. 1272/20	08 [CLP]						
Product/ingredient name	PBT	Р	В	Т	vPvB	vP	vB
itanium dioxide	No	No	No	No	No	No	No
hig/4/40 hig	No	No	No	No	No	No	No
(ethoxycarbonyl)ethylamino)							
(ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane							
ethoxycarbonyl)ethylamino) 3-methylcyclohexyl)methane Frizinc bis(orthophosphate)	No	No	No	No	No	No	No
(ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N-		No No	No No	No No	No No	No No	No No
(ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N- (2-methylpropylidene)-5-[	No						
(ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N- (2-methylpropylidene)-5-[ (2-methylpropylidene)amino]	No						
(ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N- (2-methylpropylidene)-5-[ (2-methylpropylidene)amino] -cyclohexanemethylamine	No No	No	No	No	No	No	No
(ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N- (2-methylpropylidene)-5-[ (2-methylpropylidene)amino] -cyclohexanemethylamine tetraethylN,N'-	No						
(ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N- (2-methylpropylidene)-5-[ (2-methylpropylidene)amino] -cyclohexanemethylamine tetraethylN,N'- (methylenedicyclohexane-	No No	No	No	No	No	No	No
(ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N- (2-methylpropylidene)-5-[ (2-methylpropylidene)amino] -cyclohexanemethylamine tetraethylN,N'- (methylenedicyclohexane- 4,1-diyl)bis-dl-aspartate	No No No	No	No No	No No	No	No No	No
(ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N- (2-methylpropylidene)-5-[ (2-methylpropylidene)amino] -cyclohexanemethylamine tetraethylN,N'- (methylenedicyclohexane- 4,1-diyl)bis-dl-aspartate n-Butyl acetate	No No No	No No No	No No No	No No No	No No No	No No No	No No No
ethoxycarbonyl)ethylamino) 3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N- 2-methylpropylidene)-5-[ 2-methylpropylidene)amino] cyclohexanemethylamine etraethylN,N'- (methylenedicyclohexane- 4,1-diyl)bis-dl-aspartate n-Butyl acetate 2-Methoxy-1-methylethyl	No No No	No	No No	No No	No	No No	No
(ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N- (2-methylpropylidene)-5-[ (2-methylpropylidene)amino] -cyclohexanemethylamine tetraethylN,N'- (methylenedicyclohexane- 4,1-diyl)bis-dl-aspartate n-Butyl acetate 2-Methoxy-1-methylethyl acetate	No No No No	No No No No	No No No	No No No	No No No No	No No No No	No No No
(ethoxycarbonyl)ethylamino) 3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N- (2-methylpropylidene)-5-[ (2-methylpropylidene)amino] cyclohexanemethylamine tetraethylN,N'- (methylenedicyclohexane- 4,1-diyl)bis-dl-aspartate n-Butyl acetate 2-Methoxy-1-methylethyl acetate Reaction mass of Bis	No No No	No No No	No No No	No No No	No No No	No No No	No No No
(ethoxycarbonyl)ethylamino) 3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N- (2-methylpropylidene)-5-[ 2-methylpropylidene)amino] cyclohexanemethylamine tetraethylN,N'- (methylenedicyclohexane- 4,1-diyl)bis-dl-aspartate n-Butyl acetate 2-Methoxy-1-methylethyl acetate Reaction mass of Bis (1,2,2,6,6-pentamethyl-	No No No No	No No No No	No No No	No No No	No No No No	No No No No	No No No
(ethoxycarbonyl)ethylamino) 3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N- (2-methylpropylidene)-5-[ (2-methylpropylidene)amino] cyclohexanemethylamine tetraethylN,N'- (methylenedicyclohexane- 4,1-diyl)bis-dl-aspartate n-Butyl acetate 2-Methoxy-1-methylethyl acetate Reaction mass of Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and	No No No No	No No No No	No No No	No No No	No No No No	No No No No	No No No
ethoxycarbonyl)ethylamino) 3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N- 2-methylpropylidene)-5-[ 2-methylpropylidene)amino] cyclohexanemethylamine etraethylN,N'- (methylenedicyclohexane- 4,1-diyl)bis-dl-aspartate n-Butyl acetate 2-Methoxy-1-methylethyl acetate Reaction mass of Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl	No No No No	No No No No	No No No	No No No	No No No No	No No No No	No No No
(ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N- (2-methylpropylidene)-5-[ (2-methylpropylidene)amino] -cyclohexanemethylamine tetraethylN,N'- (methylenedicyclohexane- 4,1-diyl)bis-dl-aspartate n-Butyl acetate 2-Methoxy-1-methylethyl acetate Reaction mass of Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-	No No No No	No No No No	No No No	No No No	No No No No	No No No No	No No No
bis(4-(1,2-bis (ethoxycarbonyl)ethylamino) -3-methylcyclohexyl)methane Trizinc bis(orthophosphate) 1,3,3-trimethyl-N- (2-methylpropylidene)-5-[ (2-methylpropylidene)amino] -cyclohexanemethylamine tetraethylN,N'- (methylenedicyclohexane- 4,1-diyl)bis-dl-aspartate n-Butyl acetate 2-Methoxy-1-methylethyl acetate Reaction mass of Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate Zinc oxide	No No No No	No No No No	No No No	No No No	No No No No	No No No No	No No No

Regulation (EC) No. 1272/2008 [CLP]

**12.6 Endocrine disrupting properties** 

Not available.

Conclusion/Summary [Product]

The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.  $\mathbf{t}$ 

### 12.7 Other adverse effects

No known significant effects or critical hazards.

Date of issue/Date of revision	: 09/05/2025	Date of previous issue	: 28/10/2022
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### **SECTION 13: Disposal considerations**

13.1 Waste treatment methods	
<u>Product</u>	
Methods of disposal	The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
European waste catalogue (EWC)	. 080111*, 200127*
Packaging	
Methods of disposal	The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

### **SECTION 14: Transport information**

UN2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (n-butyl acetate, 1,3,3-trimethyl-N- (2-methylpropylidene) -5-[ (2-methylpropylidene) amino] cyclohexanemethylamine) 3 (8)					
CORROSIVE, N.O.S. (n-butyl acetate, 1,3,3-trimethyl-N- (2-methylpropylidene) -5-[ (2-methylpropylidene) amino] cyclohexanemethylamine)	CORROSIVE, N.O.S. (n-butyl acetate, 1,3,3-trimethyl-N- (2-methylpropylidene) -5-[ (2-methylpropylidene) amino] cyclohexanemethylamine)	CORROSIVE, N.O.S. (n-butyl acetate, 1,3,3-trimethyl-N- (2-methylpropylidene) -5-[ (2-methylpropylidene) amino] cyclohexanemethylamine)	CORROSIVE, N.O.S. (n-butyl acetate, 1,3,3-trimethyl-N- (2-methylpropylidene) -5-[ (2-methylpropylidene) amino] cyclohexanemethylamine)		
3 (8)	3 (8)	3 (8)	3 (8)		
111	111	111	111		
Yes.	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.		
<u>on</u>					
<ul> <li>ation</li> <li>The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.</li> <li><u>Tunnel code</u> (D/E)</li> </ul>					
	r/es. n : The enviror sizes of ≤5 <u>Tunnel cor</u> : The enviror	Yes. Yes. Yes. In : The environmentally hazardous sub sizes of ≤5 L or ≤5 kg. <u>Tunnel code</u> (D/E)	Yes. Yes. Yes. n The environmentally hazardous substance mark is not require sizes of ≤5 L or ≤5 kg. <u>Tunnel code</u> (D/E) : The environmentally hazardous substance mark is not require		

**IMDG** : The marine pollutant mark is not required when transported in sizes of  $\leq 5$  L or  $\leq 5$  kg.

Date of issue/Date of revision	: 09/05/2025	Date of previous issue	: 28/10/2022	Version : 4	19/23
FEKNODUR COMBI 3560-09 - A			Label No : 17177	'97	

SECTION 14: Transport information				
ΙΑΤΑ	:	The environmentally hazardous substance mark may appear if required by other transportation regulations.		
14.6 Special precautions for user	:	<b>Transport within user's premises:</b> always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.		
14.7 Maritime transport in bulk according to IMO instruments	:	Not relevant/applicable due to nature of the product.		

### **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

#### Substances of very high concern

None of the components are listed.

## Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

	Product/ingredient name	%	Designation [Usage]
[	EKNODUR COMBI 3560-09	≥90	3

Labelling	1 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (
Other EU regulations	
Industrial emissions (integrated pollution prevention and control) - Air	: Not listed
Industrial emissions (integrated pollution prevention and control) - Water	: Not listed
Explosive precursors	: Not applicable.
Ozone depleting substant Not listed.	ices (EU 2024/590)
Prior Informed Consent ( Not listed.	PIC) (649/2012/EU)
Persistent Organic Pollut	tants

Not listed.

### Seveso Directive

This product is controlled under the Seveso Directive.

### Danger criteria

Category ₱5c E2

### International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

### Montreal Protocol

 Date of issue/Date of revision
 : 09/05/2

 ▼EKNODUR COMBI 3560-09 - All variants

: 09/05/2025 Date of previous issue

: 28/10/2022

### **SECTION 15: Regulatory information**

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals** 

Not listed.

15.2 Chemical safety :	This product contains substances for which Chemical Safety Assessments are still
assessment	required.

### **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	<ul> <li>ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number SGG = Segregation Group</li> </ul>
	vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Flam. Liq. 3, H226	On basis of test data
Skin Corr. 1C, H314	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

### Full text of abbreviated H statements

<b>1</b> 226	Flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

### Full text of classifications [CLP/GHS]

Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1		
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1		
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2		
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3		
Carc. 2	CARCINOGENICITY - Category 2		
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1		
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3		
Repr. 2	REPRODUCTIVE TOXICITY - Category 2		
Skin Corr. 1C	<b>3</b> <i>i</i>		
Skin Sens. 1			
Skin Sens. 1A	SKIN SENSITISATION - Category 1A		
Date of issue/Date of revisio	on : 09/05/2025 Date of previous issue : 28/10/2022 Version : 4 21/23		

SECTION 16: Other information		
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3	
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### Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

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: 09/05/2025 Date of previous issue