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SAFETY DATA SHEET
according to 1907/2006/EC, Article 31

Revision date: 06.10.2023

1- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product details
Trade name: Air dry express UHS clear coat
Article number: 11898
Relevant identified uses of the substance or mixture and uses advised against:
Relevant uses: Varnish. For industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
Intended use: Car refinishing Product/Varnish
Manufacturer/Supplier:
Chamäleon GmbH
Rudolf-Diesel-Straße, 8a, 69115 Heidelberg
Germany
Further information obtainable from: Product Safety Department
Information in case of emergency: + 49 70024112112 (CH)

2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture
CLP Regulation (EC) No 1272/2008:
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Flam. Liq. 3: Flammable liquids, Category 3, H226
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336
Label elements:
CLP Regulation (EC) No 1272/2008:
Warning

Hazard statements:
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

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- STOT SE 3: H336 - May cause drowsiness or dizziness.

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

Supplementary information:

EUH066: Repeated exposure may cause skin dryness or cracking.
Contains Dibutyltin Dilaurate, Ethylene bis(3-mercaptopropionate), Ethylene di(S-thioacetate), Hydroxyphenyl benzotriazol
derivative, isobutyl methacrylate, Pentaerythritol tetrakis(3-mercaptopropionate).

Substances that contribute to the classification

N-butyl acetate; Hydrocarbons, C9, aromatics; acetone; Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Other hazards

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

3– COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Non-applicable
Mixture: Chemical description: Mixture composed of additives and resins in solvents
Components: In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00-1 REACH: 01-2119485493-29-XXXX	N-butyl acetate[1] *ATP CLP00*		10 - <25 %
	Regulation 1272/2008	Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning	
CAS: 110-43-0 EC: 203-767-1 Index: 606-024-00-3 REACH: 01-2119902391-49-XXXX	heptan-2-one[2] *ATP CLP00*		10 - <25 %
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Flam. Liq. 3: H226 - Warning	
CAS: 64742-95-6	Hydrocarbons, C9, aromatics[2] *Self-classified*		5 - <10 %

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EC: 918-668-5 Index: Non-applicable REACH: 01-2119455851-35-XXXX	Regulation 1272/2008	Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; STOT SE 3: H336; EUH066 - Danger	
CAS: 1330-20-7 EC: 215-535-7 Index: 601-022-00-9 REACH: 01-2119488216-32-XXXX	Xylene[2] *Self-classified*		1 - <2,5 %
	Regulation 1272/2008	Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger	
CAS: 67-64-1 EC: 200-662-2 Index: 606-001-00-8 REACH: 01-2119471330-49-XXXX	acetone[2] *ATP CLP00*		1 - <2,5 %
	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	
CAS: 108-65-6 EC: 203-603-9 Index: 607-195-00-7 REACH: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate[1] *ATP ATP01*		1 - <2,5 %
	Regulation 1272/2008	Flam. Liq. 3: H226 - Warning	
CAS: Non-applicable EC: 400-830-7 Index: 607-176-00-3 REACH: 01-0000015075-76-XXXX	Hydroxyphenyl benzotriazol derivative[2] *ATP CLP00*		0,25 - <0,5%
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 1065336-91-5 EC: 915-687-0 Index: Non-applicable REACH: 01-2119491304-40-XXXX	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate *Self-classified*		0,25 - <0,5 %
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Repr. 2: H361f; Skin Sens. 1A: H317 - Warning	
CAS: 77-58-7 EC: 201-039-8 Index: 050-030-00-3 REACH: 01-2119496068-27-XXXX	Dibutyltin Dilaurate[2] *Self-classified*		0,25 - <0,5%
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Muta. 2: H341; Repr. 1B: H360; Skin Sens. 1: H317; STOT RE 1: H372; STOT SE 1: H370 - Danger	
CAS: 22504-50-3	Ethylene bis(3-mercaptopropionate)[2] *Self-classified*		<0,2 %

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EC: 245-044-3 Index: Non-applicable REACH: 01-2120775145-52-XXXX	Regulation 1272/2008	Acute Tox. 4: H302+H312; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317 - Warning	
CAS: 97-86-9 EC: 202-613-0 Index: 607-113-00-X REACH: 01-2119488331-38-XXXX	isobutyl methacrylate[2] *ATP ATP13*		<0,2 %
	Regulation 1272/2008	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1B: H317; STOT SE 3: H335 -Warning	
CAS: 7575-23-7 EC: 231-472-8 Index: Non-applicable REACH: 1-2119486981-23-XXXX	Pentaerythritol tetrakis(3-mercaptopropionate) *Self-classified*		<0,2 %
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1A: H317 - Warning	
CAS: 123-81-9 EC: 204-653-4 Index: Non-applicable REACH: 01-2120775150-61-XXXX	Ethylene di(S-thioacetate) *Self-classified*		<0,2 %
	Regulation 1272/2008	Acute Tox. 4: H302+H312+H332; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT SE 3: H335 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

[2] Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	M-factor	
Pentaerythritol tetrakis(3-mercaptopropionate)	Acute	10
CAS: 7575-23-7 EC: 231-472-8	Chronic	10

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity		Genus
Xylene CAS: 1330-20-7 EC: 215-535-7	LD50 oral	Non-applicable	
	LD50 dermal LC50 inhalation	Non-applicable 11 mg/L (ATEi)	

4– FIRST - AID MEASURE

Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek

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- medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes.

If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

Indication of any immediate medical attention and special treatment needed:

Non-applicable

5– FIRE - FIGHTING MEASURE

Extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

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- **Additional provisions:**
  Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

6– ACCIDENTAL RELEASE MEASURE

Personal precautions, protective equipment and emergency procedures:
For non-emergency personnel:
Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8).
Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium.
Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.
For emergency responders:
Wear protective equipment. Keep unprotected persons away. See section 8.
Environmental precautions:
Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.
Methods and material for containment and cleaning up:
It is recommended:
Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.
Reference to other sections:
See sections 8 and 13.

7– HANDLING AND STORAGE

Precautions for safe handling:
A.- General precautions for safe use
Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.
B.- Technical recommendations for the prevention of fires and explosions

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- Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage
Minimum Temp.: 5 ºC
Maximum Temp.: 30 ºC
Maximum time: 24 Months
B.- General conditions for storage
Avoid sources of heat, radiation, static electricity and contact with food. For additional information see section 10.

Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation): Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification		Occupational exposure limits		
N-butyl acetate		IOELV (8h)	50 ppm	241 mg/m³
CAS: 123-86-4	EC: 204-658-1	IOELV (STEL)	150 ppm	723 mg/m³
acetone		IOELV (8h)	500 ppm	1210 mg/m³
CAS: 67-64-1	EC: 200-662-2	IOELV (STEL)		
heptan-2-one		IOELV (8h)	50 ppm	238 mg/m³
CAS: 110-43-0	EC: 203-767-1	IOELV (STEL)	100 ppm	475 mg/m³
2-methoxy-1-methylethyl acetate		IOELV (8h)	50 ppm	275 mg/m³
CAS: 108-65-6	EC: 203-603-9	IOELV (STEL)	100 ppm	550 mg/m³

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Xylene CAS: 1330-20-7	EC: 215-535-7	IOELV (8h) IOELV (STEL)	50 ppm 100 ppm	221 mg/m³ 442 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	11 mg/kg	Non-applicable	11 mg/kg	Non-applicable
	Inhalation	600 mg/m³	600 mg/m³	300 mg/m³	300 mg/m³
heptan-2-one CAS: 110-43-0 EC: 203-767-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	54,27 mg/kg	Non-applicable
	Inhalation	1516 mg/m³	Non-applicable	394,25 mg/m³	Non-applicable
Hydrocarbons, C9, aromatics CAS: 64742-95-6 EC: 918-668-5	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	150 mg/m³	Non-applicable
Xylene CAS: 1330-20-7 EC: 215-535-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	212 mg/kg	Non-applicable
	Inhalation	442 mg/m³	442 mg/m³	221 mg/m³	221 mg/m³
acetone CAS: 67-64-1 EC: 200-662-2	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	186 mg/kg	Non-applicable
	Inhalation	Non-applicable	2420 mg/m³	1210 mg/m³	Non-applicable
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	796 mg/kg	Non-applicable
	Inhalation	Non-applicable	550 mg/m³	275 mg/m³	Non-applicable
Hydroxyphenyl benzotriazol derivative CAS: Non-applicable EC: 400-830-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,35 mg/m³	Non-applicable
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 1065336-91-5 EC: 915-687-0	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,68 mg/m³	Non-applicable
Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	2,08 mg/kg	Non-applicable	0,43 mg/kg	Non-applicable
	Inhalation	0,059 mg/m³	Non-applicable	0,02 mg/m³	Non-applicable
Ethylene bis(3-mercaptopropionate) CAS: 22504-50-3 EC: 245-044-3	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,14 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,49 mg/m³	Non-applicable
isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	415,9 mg/m³	409 mg/m³
Pentaerythritol tetrakis(3-mercaptopropionate) CAS: 7575-23-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	5 mg/kg	Non-applicable
	Inhalation	Non-applicable	40,13 mg/m³	1,74 mg/m³	40,13 mg/m³

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EC: 231-472-8					
Ethylene di(S-thioacetate) CAS: 123-81-9 EC: 204-653-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,14 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,49 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	Oral	2 mg/kg	Non-applicable	2 mg/kg	Non-applicable
	Dermal	6 mg/kg	Non-applicable	6 mg/kg	Non-applicable
	Inhalation	300 mg/m³	300 mg/m³	35,7 mg/m³	35,7 mg/m³
heptan-2-one CAS: 110-43-0 EC: 203-767-1	Oral	Non-applicable	Non-applicable	23,32 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	23,32 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	84,31 mg/m³	Non-applicable
Hydrocarbons, C9, aromatics CAS: 64742-95-6 EC: 918-668-5	Oral	Non-applicable	Non-applicable	11 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	11 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	32 mg/m³	Non-applicable
Xylene CAS: 1330-20-7 EC: 215-535-7	Oral	Non-applicable	Non-applicable	12,5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	125 mg/kg	Non-applicable
	Inhalation	260 mg/m³	260 mg/m³	65,3 mg/m³	65,3 mg/m³
acetone CAS: 67-64-1 EC: 200-662-2	Oral	Non-applicable	Non-applicable	62 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	62 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	200 mg/m³	Non-applicable
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	Oral	Non-applicable	Non-applicable	36 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	320 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	33 mg/m³	33 mg/m³
Hydroxyphenyl benzotriazol derivative CAS: Non-applicable EC: 400-830-7	Oral	Non-applicable	Non-applicable	0,025 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,085 mg/m³	Non-applicable

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Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 1065336-91-5 EC: 915-687-0	Oral	Non-applicable	Non-applicable	0,05 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,17 mg/m³	Non-applicable
Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8	Oral	0,02 mg/kg	Non-applicable	0,003 mg/kg	Non-applicable
	Dermal	0,5 mg/kg	Non-applicable	0,16 mg/kg	Non-applicable
	Inhalation	0,04 mg/m³	Non-applicable	0,005 mg/m³	Non-applicable
Ethylene bis(3-mercaptopropionate) CAS: 22504-50-3 EC: 245-044-3	Oral	Non-applicable	Non-applicable	0,05 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,05 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,074 mg/m³	Non-applicable
isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	3 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	66,5 mg/m³	366,4 mg/m³
Pentaerythritol tetrakis(3-mercaptopropionate) CAS: 7575-23-7 EC: 231-472-8	Oral	Non-applicable	Non-applicable	0,25 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	20,07 mg/m³	0,43 mg/m³	20,07 mg/m³
Ethylene di(S-thioacetate) CAS: 123-81-9 EC: 204-653-4	Oral	Non-applicable	Non-applicable	0,05 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,05 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,074 mg/m³	Non-applicable

PNEC:

Identification					
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	STP	35,6 mg/L	Fresh water	0,18 mg/L
	Soil	0,09 mg/kg	Marine water	0,018 mg/L
	Intermittent	0,36 mg/L	Sediment (Fresh water)	0,981 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,098 mg/kg
heptan-2-one CAS: 110-43-0 EC: 203-767-1	STP	12,5 mg/L	Fresh water	0,098 mg/L
	Soil	0,321 mg/kg	Marine water	0,01 mg/L
	Intermittent	0,982 mg/L	Sediment (Fresh water)	1,89 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,189 mg/kg
Xylene	STP	6,58 mg/L	Fresh water	0,327 mg/L

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CAS: 1330-20-7 EC: 215-535-7	Soil	2,31 mg/kg	Marine water	0,327 mg/L
	Intermittent	0,327 mg/L	Sediment (Fresh water)	12,46 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	12,46 mg/kg
acetone CAS: 67-64-1 EC: 200-662-2	STP	100 mg/L	Fresh water	10,6 mg/L
	Soil	29,5 mg/kg	Marine water	1,06 mg/L
	Intermittent	21 mg/L	Sediment (Fresh water)	30,4 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	3,04 mg/kg
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	STP	100 mg/L	Fresh water	0,635 mg/L
	Soil	0,29 mg/kg	Marine water	0,064 mg/L
	Intermittent	6,35 mg/L	Sediment (Fresh water)	3,29 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,329 mg/kg
Hydroxyphenyl benzotriazol derivative CAS: Non-applicable EC: 400-830-7	STP	10 mg/L	Fresh water	0,002 mg/L
	Soil	2 mg/kg	Marine water	0 mg/L
	Intermittent	0,028 mg/L	Sediment (Fresh water)	3,37 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,337 mg/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 CAS: 1065336-91-5 EC: 915-687-0	STP	1 mg/L	Fresh water	0,002 mg/L
	Soil	0,21 mg/kg	Marine water	0 mg/L
	Intermittent	0,009 mg/L	Sediment (Fresh water)	1,05 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,11 mg/kg
Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8	STP	100 mg/L	Fresh water	0 mg/L
	Soil	0,041 mg/kg	Marine water	0 mg/L
	Intermittent	0,005 mg/L	Sediment (Fresh water)	0,05 mg/kg
	Oral	0,0002 g/kg	Sediment (Marine water)	0,005 mg/kg
Ethylene bis(3-mercaptopropionate) CAS: 22504-50-3 EC: 245-044-3	STP	Non-applicable	Fresh water	0,00006 mg/L
	Soil	Non-applicable	Marine water	Non-applicable
	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0	STP	10 mg/L	Fresh water	0,021 mg/L
	Soil	1,16 mg/kg	Marine water	0,002 mg/L
	Intermittent	0,2 mg/L	Sediment (Fresh water)	5,89 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,589 mg/kg
Pentaerythritol tetrakis(3-mercaptopropionate) CAS: 7575-23-7 EC: 231-472-8	STP	2,39 mg/L	Fresh water	0,00003 mg/L
	Soil	0,000184 mg/kg	Marine water	0,0000034 mg/L
	Intermittent	0,00034 mg/L	Sediment (Fresh water)	0,00102 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,000102 mg/kg
Ethylene di(S-thioacetate) CAS: 123-81-9 EC: 204-653-4	STP	Non-applicable	Fresh water	0,0048 mg/L
	Soil	Non-applicable	Marine water	Non-applicable
	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

Exposure controls:

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A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases, vapours and particles	CE CAT III	EN 149:2001+A1:2009 EN 405:2002+A1:2010 EN ISO 136:1998	Replace when an increase in resistence to breathing is observed and/or a smell or taste of the contaminant is detected.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Face shield	CE CAT II	EN 166:2002 EN 167:2002 EN 168:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks

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 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	CE CAT III	EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994	For professional use only. Clean periodically according to the manufacturer´s instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	CE CAT III	EN ISO 13287:2020 EN ISO 20345:2011 EN 13832-1:2019	Replace boots at any sign of deterioration.

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls: In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds: With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 45,75 % weight
V.O.C. density at 20 ºC: 448,39 kg/m³ (448,39 g/L)
Average carbon number: 6,74
Average molecular weight: 114,19 g/mol

With regard to Directive 2004/42/EC, this product which is ready to use has the following characteristics:

V.O.C. density at 20 ºC: 415 kg/m³ (415 g/L)
EU limit for the product (Cat. B.D): 420 g/L (2010)
Components: (Hardener solvent)

9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

For complete information see the product datasheet.

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- **Appearance:**

Physical state at 20 ºC:	Liquid
Appearance:	Fluid
Colour:	Colourless
Odour:	Solvent
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	129 ºC
Vapour pressure at 20 ºC:	2031 Pa
Vapour pressure at 50 ºC:	8328,43 Pa (8,33 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	975 - 985 kg/m^3
Relative density at 20 ºC:	0,975 - 0,985
Dynamic viscosity at 20 ºC:	90 - 72 cP
Kinematic viscosity at 20 ºC:	83 mm^2/s
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Immiscible
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	29 ºC
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	310 ºC
Lower flammability limit:	Not available
Upper flammability limit:	Not available
Particle characteristics:	
Median equivalent diameter:	Non-applicable
Other information:	
Information with regard to physical hazard classes:	
Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	

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- Surface tension at 20 ºC: Non-applicable *
  Refraction index: Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

10– STABILITY AND REACTIVITY

Reactivity:
No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.
Chemical stability:
Chemically stable under the indicated conditions of storage, handling and use.
Possibility of hazardous reactions:
Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.
Conditions to avoid:
Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

Hazardous decomposition products:
See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO), carbon monoxide and other organic compounds.

11– TOXILOGICAL INFORMATION

Information on hazard classes as defined in Regulation (EC) No 1272/2008:
The experimental information related to the toxicological properties of the product itself is not available
Dangerous health implications:
In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:
A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does

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contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
IARC: Hydrocarbons, C9, aromatics (3); Xylene (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met.
However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Repeated exposure may cause skin dryness or cracking

H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
N-butyl acetate	LD50 oral	12789 mg/kg	Rat
CAS: 123-86-4	LD50 dermal	14112 mg/kg	Rabbit
EC: 204-658-1	LC50 inhalation	23,4 mg/L (4 h)	Rat

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acetone CAS: 67-64-1 EC: 200-662-2	LD50 oral LD50 dermal LC50 inhalation	5800 mg/kg 7426 mg/kg 76 mg/L (4 h)	Rat Rabbit Rat
heptan-2-one CAS: 110-43-0 EC: 203-767-1	LD50 oral LD50 dermal LC50 inhalation	1600 mg/kg >2000 mg/kg 11 mg/L (4 h)	Rat Rat
Hydrocarbons, C9, aromatics CAS: 64742-95-6 EC: 918-668-5	LD50 oral LD50 dermal LC50 inhalation	3492 mg/kg 3160 mg/kg 6193 mg/L (4 h)	Rat Rabbit Rat
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	LD50 oral LD50 dermal LC50 inhalation	8532 mg/kg 5100 mg/kg 30 mg/L (4 h)	Rat Rat Rat
Xylene CAS: 1330-20-7 EC: 215-535-7	LD50 oral LD50 dermal LC50 inhalation	2100 mg/kg 1100 mg/kg 11 mg/L (4 h) (ATEi)	Rat Rat
Hydroxyphenyl benzotriazol derivative CAS: Non-applicable EC: 400-830-7	LD50 oral LD50 dermal LC50 inhalation	>2000 mg/kg >2000 mg/kg >20 mg/L	
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6- pentamethyl-4-piperidyl sebacate CAS: 1065336-91-5 EC: 915-687-0	LD50 oral LD50 dermal LC50 inhalation	3230 mg/kg >2000 mg/kg >20 mg/L	Rat
Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8	LD50 oral LD50 dermal LC50 inhalation	2071 mg/kg >2000 mg/kg >20 mg/L	Rat
Ethylene bis(3-mercaptopropionate) CAS: 22504-50-3 EC: 245-044-3	LD50 oral LD50 dermal LC50 inhalation	303 mg/kg 1892 mg/kg >20 mg/L	Rat Rabbit
isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0	LD50 oral LD50 dermal LC50 inhalation	9600 mg/kg >2000 mg/kg >20 mg/L	Rat
Pentaerythritol tetrakis(3-mercaptopropionate) CAS: 7575-23-7 EC: 231-472-8	LD50 oral LD50 dermal LC50 inhalation	1000 mg/kg >2000 mg/kg >20 mg/L	Rat
Ethylene di(S-thioacetate) CAS: 123-81-9 EC: 204-653-4	LD50 oral LD50 dermal LC50 inhalation	303 mg/kg >2000 mg/kg >20 mg/L	Rat

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	10500,07mg/kg (Calculation method)	0 %
Dermal	47332,19 mg/kg (Calculation method)	0 %
Inhalation	62,64 mg/L (4 h) (Calculation method)	0 %

Information on other hazards:

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- **Endocrine disrupting properties**

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Non-applicable

12 – ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available
Harmful to aquatic life with long lasting effects.

Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
N-butyl acetate	LC50	Non-applicable		
CAS: 123-86-4	EC50	Non-applicable		
EC: 204-658-1	EC50	675 mg/L (72 h)	Scenedesmus subspicatus	Algae
heptan-2-one	LC50	131 mg/L (96 h)	Pimephales promelas	Fish
CAS: 110-43-0	EC50	Non-applicable		
EC: 203-767-1	EC50	Non-applicable		
Hydrocarbons, C9, aromatics	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 64742-95-6	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 918-668-5	EC50	>1 - 10 mg/L (72 h)		Algae
Xylene	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 1330-20-7	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 215-535-7	EC50	>10 - 100 mg/L (72 h)		Algae
acetone	LC50	5540 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 67-64-1	EC50	8800 mg/L (48 h)	Daphnia pulex	Crustacean
EC: 200-662-2	EC50	3400 mg/L (48 h)	Chlorella pyrenoidosa	Algae
2-methoxy-1-methylethyl acetate	LC50	161 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-65-6	EC50	481 mg/L (48 h)	Daphnia sp.	Crustacean
EC: 203-603-9	EC50	Non-applicable		
Hydroxyphenyl benzotriazol derivative CAS:	LC50	>1 - 10 mg/L (96 h)		Fish
	EC50	>1 - 10 mg/L (48 h)		Crustacean
Non-applicable EC: 400-830-7	EC50	>1 - 10 mg/L (72 h)		Algae
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 1065336-91-5 EC: 915-687-0	LC50	0.9 mg/L (96 h)	Danio rerio	Fish
	EC50	Non-applicable		
	EC50	1.7 mg/L (72 h)	Desmodesmus subspicatus	Algae
Dibutyltin Dilaurate	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 77-58-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean

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EC: 201-039-8	EC50	>0.1 - 1 mg/L (72 h)		Algae
Ethylene bis(3-mercaptopropionate)	LC50	0.0594 mg/L (96 h)	Danio rerio	Fish
CAS: 22504-50-3	EC50	0.35 mg/L (48 h)	Daphnia magna	Crustacean
EC: 245-044-3	EC50	0.046 mg/L (72 h)	Desmodesmus subspicatus	Algae
isobutyl methacrylate	LC50	20 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 97-86-9	EC50	23 mg/L (48 h)	Daphnia magna	Crustacean
EC: 202-613-0	EC50	0.29 mg/L (96 h)	Selenastrum capricornutum	Algae
Pentaerythritol tetrakis(3-mercaptopropionate)	LC50	0.034 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	0.35 mg/L (48 h)	Daphnia magna	Crustacean
CAS: 7575-23-7	EC50	0.12 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
EC: 231-472-8				
Ethylene di(S-thioacetate)	LC50	Non-applicable		
CAS: 123-81-9	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-653-4	EC50	110 mg/L (72 h)	Desmodesmus subspicatus	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
N-butyl acetate	NOEC	Non-applicable		
CAS: 123-86-4 EC: 204-658-1	NOEC	23,2 mg/L	Daphnia magna	Crustacean
Xylene	NOEC	1,3 mg/L	Oncorhynchus mykiss	Fish
CAS: 1330-20-7 EC: 215-535-7	NOEC	1,17 mg/L	Ceriodaphnia dubia	Crustacean
acetone	NOEC	Non-applicable		
CAS: 67-64-1 EC: 200-662-2	NOEC	2212 mg/L	Daphnia magna	Crustacean
2-methoxy-1-methylethyl acetate	NOEC	47,5 mg/L	Oryzias latipes	Fish
CAS: 108-65-6 EC: 203-603-9	NOEC	100 mg/L	Daphnia magna	Crustacean
	NOEC	>10 - 100 mg/L (72 h)		Algae
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	NOEC	Non-applicable		
	NOEC	1 mg/L	Daphnia magna	Crustacean
CAS: 1065336-91-5				
EC: 915-687-0				

Persistence and degradability:

Identification	Degradability		Biodegradability	
N-butyl acetate CAS: 123-86-4	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	5 days
EC: 204-658-1	BOD5/COD	Non-applicable	% Biodegradable	84 %
Xylene	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 1330-20-7	COD	Non-applicable	Period	28 days
EC: 215-535-7	BOD5/COD	Non-applicable	% Biodegradable	88 %
acetone	BOD5	Non-applicable	Concentration	100 mg/L

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CAS: 67-64-1 EC: 200-662-2	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	96 %
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	BOD5	Non-applicable	Concentration	785 mg/L
	COD	Non-applicable	Period	8 days
	BOD5/COD	Non-applicable	% Biodegradable	100 %
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 1065336-91-5 EC: 915-687-0	BOD5	Non-applicable	Concentration	20 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	38 %
Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8	BOD5	0 g O2/g	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	50 %
Ethylene bis(3-mercaptopropionate) CAS: 22504-50-3 EC: 245-044-3	BOD5	Non-applicable	Concentration	31 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	53,8 %
Pentaerythritol tetrakis(3-mercaptopropionate) CAS: 7575-23-7 EC: 231-472-8	BOD5	Non-applicable	Concentration	10 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	26 %
Ethylene di(S-thioacetate) CAS: 123-81-9 EC: 204-653-4	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	Non-applicable
	BOD5/COD	Non-applicable	% Biodegradable	65,9 %

Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
N-butyl acetate	BCF	4
CAS: 123-86-4	Pow Log	1.78
EC: 204-658-1	Potential	Low
heptan-2-one	BCF	7
CAS: 110-43-0	Pow Log	1.98
EC: 203-767-1	Potential	Low
Xylene	BCF	9
CAS: 1330-20-7	Pow Log	2.77
EC: 215-535-7	Potential	Low
acetone	BCF	1
CAS: 67-64-1	Pow Log	-0.24
EC: 200-662-2	Potential	Low

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2-methoxy-1-methylethyl acetate	BCF	1
CAS: 108-65-6	Pow Log	0.43
EC: 203-603-9	Potential	Low
Dibutyltin Dilaurate	BCF	31
CAS: 77-58-7	Pow Log	3.12
EC: 201-039-8	Potential	Moderate
Ethylene bis(3-mercaptopropionate)	BCF	
CAS: 22504-50-3	Pow Log	1.94
EC: 245-044-3	Potential	
isobutyl methacrylate	BCF	26
CAS: 97-86-9	Pow Log	2.66
EC: 202-613-0	Potential	Low
Pentaerythritol tetrakis(3-mercaptopropionate)	BCF	24
CAS: 7575-23-7	Pow Log	3.03
EC: 231-472-8	Potential	Low
Ethylene di(S-thioacetate)	BCF	
CAS: 123-81-9	Pow Log	1.46
EC: 204-653-4	Potential	

Mobility in soil:

Identification	Absorption/desorption		Volatility	
N-butyl acetate	Koc	Non-applicable	Henry	Non-applicable
CAS: 123-86-4	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-658-1	Surface tension	2,478E-2 N/m (25 ºC)	Moist soil	Non-applicable
heptan-2-one	Koc	280	Henry	17,12 Pa·m³/mol
CAS: 110-43-0	Conclusion	Moderate	Dry soil	Yes
EC: 203-767-1	Surface tension	2,612E-2 N/m (25 ºC)	Moist soil	Yes
Xylene	Koc	202	Henry	524,86 Pa·m³/mol
CAS: 1330-20-7	Conclusion	Moderate	Dry soil	Yes
EC: 215-535-7	Surface tension	Non-applicable	Moist soil	Yes
acetone	Koc	1	Henry	2,93 Pa·m³/mol
CAS: 67-64-1	Conclusion	Very High	Dry soil	Yes
EC: 200-662-2	Surface tension	2,304E-2 N/m (25 ºC)	Moist soil	Yes
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Koc	204400	Henry	0E+0 Pa·m³/mol
	Conclusion	Immobile	Dry soil	No
CAS: 1065336-91-5	Surface tension	Non-applicable	Moist soil	No
EC: 915-687-0				
isobutyl methacrylate	Koc	1480	Henry	52,69 Pa·m³/mol
CAS: 97-86-9	Conclusion	Moderate	Dry soil	Yes

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EC: 202-613-0	Surface tension	Non-applicable	Moist soil	Yes
Pentaerythritol tetrakis(3-mercaptopropionate) CAS: 7575-23-7 EC: 231-472-8	Koc	264	Henry	Non-applicable
	Conclusion	Moderate	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable

Results of PBT and vPvB assessment: Product does not meet PBT/vPvB criteria
Endocrine disrupting properties: Endocrine-disrupting properties: The product does not meet the criteria.
Other adverse effects: Not described

13– DISPOSAL CONSIDERATION

Waste treatment methods

Code	Description	Waste class (Regulation (EU) No 1357/2014)
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Dangerous

Type of waste (Regulation (EU) No 1357/2014): HP14 Ecotoxic, HP3 Flammable
Waste management (disposal and evaluation):
Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.
Regulations related to waste management:
In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

14– TRANSPORT INFORMATION

Transport of dangerous goods by land:
With regard to ADR 2023 and RID 2023:

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UN number or ID number:	UN1263
UN proper shipping name:	PAINT
Transport hazard class(es):	3
Labels:	3
Packing group:	III
Environmental hazards:	No
Special precautions for user	
Special regulations:	163, 367, 650
Tunnel restriction code:	D/E
Physico-Chemical properties:	see section 9
Limited quantities:	5 L
Maritime transport in bulk according to IMO instruments:	Non-applicable

Transport of dangerous goods by sea:
With regard to IMDG 40-20:

UN number or ID number:	UN1263
UN proper shipping name:	PAINT
Transport hazard class(es):	3
Labels:	3
Packing group:	III
Marine pollutant:	No
Special precautions for user	
Special regulations:	223, 955, 163, 367
EmS Codes:	F-E, S-E
Physico-Chemical properties:	see section 9
Limited quantities:	5 L
Segregation group:	Non-applicable
Maritime transport in bulk according to IMO instruments:	Non-applicable

Transport of dangerous goods by air:
With regard to IATA/ICAO 2023:

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UN number or ID number:	UN1263
UN proper shipping name:	PAINT
Transport hazard class(es):	3
Labels:	3
Packing group:	III
Environmental hazards:	No
Special precautions for user	
Physico-Chemical properties:	see section 9
Maritime transport in bulk according to IMO instruments:	Non-applicable

15 – REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:
Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains 2-phenoxyethanol.
Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable.
Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable
Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable
Article 95, REGULATION (EU) No 528/2012: Non-applicable
REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Contains Dibutyltin Dilaurate
Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000	50000

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):
Regulation (EU) 2019/1148 on the marketing and use of explosives precursors: Contains acetone. Product under the provisions of Article 9. However, products that contain explosives precursors only to such a small extent and in such complex mixtures that the extraction of the explosives precursors is technically extremely difficult should be excluded from the scope of this Regulation.
Shall not be used in:
- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,

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- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Contains Octamethylcyclotetrasiloxane, Decamethylcyclopentasiloxane. 1. | Shall not be placed on the market in wash-off cosmetic products in a concentration equal to or greater than 0,1 % by weight of either substance, after 31 January 2020. | 2. |For the purposes of this entry, "wash-off cosmetic products" means cosmetic products as defined in Article 2(1)(a) of Regulation(EC) No 1223/2009 that, under normal conditions of use, are washed off with water after application.'

Specific provisions in terms of protecting people or the environment:
It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation: The product could be affected by sectorial legislation

Chemical safety assessment: The supplier has not carried out evaluation of chemical safety.

16-OTHER INFORMATION

Legislation related to safety data sheets:
The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.: Non-applicable

Texts of the legislative phrases mentioned in section 2:
H336: May cause drowsiness or dizziness.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H226: Flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3: The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin.
Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

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- Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
  Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
  Eye Irrit. 2: H319 - Causes serious eye irritation.
  Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
  Flam. Liq. 3: H226 - Flammable liquid and vapour.
  Muta. 2: H341 - Suspected of causing genetic defects.
  Repr. 1B: H360 - May damage fertility or the unborn child.
  Repr. 2: H361f - Suspected of damaging fertility.
  Skin Irrit. 2: H315 - Causes skin irritation.
  Skin Sens. 1: H317 - May cause an allergic skin reaction.
  Skin Sens. 1A: H317 - May cause an allergic skin reaction.
  Skin Sens. 1B: H317 - May cause an allergic skin reaction.
  STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure. (Oral).
  STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).
  STOT SE 1: H370 - Causes damage to organs.
  STOT SE 3: H335 - May cause respiratory irritation.
  STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

STOT SE 3: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in these sheets is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects and should not be construed as any guarantee of technical performance or suitability for particular applications.