1. SECTION 1: SUBSTANCE/MIXTURE IDENTIFICATION AND MANUFACURER/SUPPLIER IDENTIFICATION

1.1. Product identifier
Trade name: TANK BEDLINER TINTABLE
UFI: PYX0-K0UD-Y002-PC41

1.2. Relevant identified uses of the substance or mixture and uses advised against
Relevant uses: Protective coating. For professional users/industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3

1.3. Details of the supplier of the safety data sheet

Przedsiębiorstwo RANAL Sp. z o.o.
Ul. Łódzka 3
42-240 Rudniki,

Tel.: + 48 34 329 45 03
Fax: + 48 34 320 12 16
Register number: 000029202

E-mail address of person responsible for the SDS: ranal@ranal.pl

1.4. Emergency telephone number
+48 34 329 45 03 (od 8.00 do 15.00)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture Classification
It is advised that, due to the encapsulation of the active ingredient, it is estimated that inhalation hazards could be minimized.
This criterion applies throughout the entire SDS.

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 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411
Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 2: Flammable liquids, Category 2, H225
Skin Irrit. 2: Skin irritation, Category 2, H315
STOT RE 2: Specific target organ toxicity — Repeated exposure, Hazard Category 2 (Oral), H373

2.2. Label elements
Metals in massive form, alloys, mixtures containing polymers and mixtures containing elastomers do not require a label if they do not present a hazard to human health by inhalation, ingestion or contact with skin or to the aquatic environment in the form in which they are placed on the market, although classified as hazardous.

Labelling (REGULATION (EC) No 1272/2008):
Hazard pictograms:

Signal word: Danger.

Hazard statements:
H225 - Highly flammable liquid and vapour.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H373 - May cause damage to organs through prolonged or repeated exposure (Oral).
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements:
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Supplementary information:
EUH208: Contains Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

Substances that contribute to the classification:
Xylene.

2.3. Other hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable.

3.2. Mixtures

Chemical description: Elastomer-based blend.

Components:
In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification		Chemical name/Classification			Concentration
CAS: EC: Index: REACH:	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32-XXXX	**Xylene[1]**		Self-classified	10 - <25 %
		Regulation 1272/2008	Acute Tox. 4: H312+H332; Aquatic Chronic 3: H412; 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: EC: Index: REACH:	67-64-1 200-662-2 606-001-00-8 01-2119471330-49-XXXX	**Acetone[1]**		ATP CLP00	2.5 - <5 %
		Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger		
CAS: EC: Index: REACH:	100-41-4 202-849-4 601-023-00-4 01-2119489370-35-XXXX	**Ethylbenzene[1]**		Self-classified	5 - <10 %
		Regulation 1272/2008	Acute Tox. 4: H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger		
CAS: EC: Index: REACH:	7779-90-0 231-944-3 Non-applicable 01-2119485044-40-XXXX	**trizinc bis(orthophosphate)[1]**		ATP CLP00	2.5 - <5 %
		Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning		
CAS: EC: Index: REACH:	Non-applicable 432-430-3 616-200-00-1 01-0000017860-69-XXXX	**reaction mass of N, N'-ethane1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide and N, N'-ethane-1,2-diylbis(12-hydroxyoctadecan amide)[1]**		ATP ATP05	
		Regulation 1272/2008	Aquatic Chronic 4: H413		1 - <2.5 %
CAS: EC: Index: REACH:	123-86-4 204-658-1 607-025-00-1 01-2119485493-29-XXXX	**N-butyl acetate[1]**		ATP CLP00	1 - <2.5 %
		Regulation 1272/2008	Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning		
CAS: EC: Index: REACH:	108-65-6 203-603-9 607-195-00-7 01-2119475791-29-XXXX	**2-methoxy-1-methylethyl acetate[1]**		Self-classified	1 - <2.5 %
		Regulation 1272/2008	Flam. Liq. 3: H226; STOT SE 3: H336 - Warning		
CAS: EC: Index: REACH:	112-07-2 203-933-3 607-038-00-2 01-2119475112-47-XXXX	**2-butoxyethyl acetate[2]**		ATP CLP00	0.5 - <1 %
		Regulation 1272/2008	Acute Tox. 4: H312+H332 - Warning		
CAS: EC: Index: REACH:	41556-26-7 255-437-1 Non-applicable Non-applicable	**Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate[1]**		Self-classified	0.1 - <0.3 %
		Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1: H317 - Warning		
CAS: EC: Index: REACH:	82919-37-7 280-060-4 Non-applicable Non-applicable	**Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate[1]**		Self-classified	0.1 - <0.3 %
		Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1: H317 - Warning		
CAS: EC: Index: REACH:	108-88-3 203-625-9 601-021-00-3 01-2119471310-51-XXXX	**Toluene[2]**		Self-classified	<0.01 %
		Regulation 1272/2008	Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Flam. Liq. 2: H225; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H336 - Danger		

[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.
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	Non-applicable	
	LC50 inhalation	11 mg/L (ATEi)	

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation: The possibility of being inhaled is practically nil, however, in the case of symptoms:
This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

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 water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for 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.

4.2. Most important symptoms both acute and delayed
Acute and delayed effects are indicated in sections 2 and 11.

4.3. Indications of any immediate medical attention and special treatment needed
Non-applicable.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO_2).
Unsuitable extinguishing media: IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2. 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.

5.3. 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.

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency measures

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.

6.2. 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.

6.3. Methods and materials 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.

6.4. Reference to other sections
See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. 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
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.

7.2. Conditions for safe storage, including any incompatibilities

A. Technical measures for storage
Minimum temp.: 5ºC
Maximum temp.: 30ºC
B. General conditions for storage
Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5.

7.3. Special end use(s)
Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

8.1. 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		
Xylene CAS: 1330-20-7 EC: 215-535-7	IOELV (8h)	50 ppm	221 mg/m³
	IOELV (STEL)	100 ppm	442 mg/m³
acetone CAS: 67-64-1 EC: 200-662-2	IOELV (8h)	500 ppm	1210 mg/m³
	IOELV (STEL)		
Ethylbenzene CAS: 100-41-4EC: 202-849-4	IOELV (8h)	100 ppm	442 mg/m³
	IOELV (STEL)	200 ppm	884 mg/m³
N-butyl acetate CAS: 123-86-4EC: 204-658-1	IOELV (8h)	50 ppm	241 mg/m³
	IOELV (STEL)	150 ppm	723 mg/m³
2-methoxy-1-methylethyl acetate CAS: 108-65-6EC: 203-603-9	IOELV (8h)	50 ppm	275 mg/m³
	IOELV (STEL)	100 ppm	550 mg/m³
2-butoxyethyl acetate CAS: 112-07-2EC: 203-933-3	IOELV (8h)	20 ppm	133 mg/m³
	IOELV (STEL)	50 ppm	333 mg/m³
Toluene CAS: 108-88-3EC: 203-625-9	IOELV (8h)	50 ppm	192 mg/m³
	IOELV (STEL)	100 ppm	384 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
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
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	180 mg/kg	Non-applicable
	Inhalation	Non-applicable	293 mg/m³	77 mg/m³	Non-applicable
trizinc bis(orthophosphate) CAS: 7779-90-0 EC: 231-944-3	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	83 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	5 mg/m³	Non-applicable
reaction mass of N, N'-ethane1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl] octadecanamide and N, N'-ethane-1,2-diylbis(12- hydroxyoctadecan amide) CAS: Non-applicable EC: 432-430-3	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	10 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	35.24 mg/m³	Non-applicable
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
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
2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	120 mg/kg	Non-applicable	169 mg/kg	Non-applicable
	Inhalation	Non-applicable	333 mg/m³	133 mg/m³	Non-applicable

Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 82919-37-7 EC: 280-060-4	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
Toluene CAS: 108-88-3 EC: 203-625-9	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	384 mg/kg	Non-applicable
	Inhalation	384 mg/m³	384 mg/m³	192 mg/m³	192 mg/m³

DNEL (General population):

		Short exposure		Long exposure	
Identification		**Systemic**	**Local**	**Systemic**	**Local**
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
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	Oral	Non-applicable	Non-applicable	1.6 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	15 mg/m³	Non-applicable
trizinc bis(orthophosphate) CAS: 7779-90-0 EC: 231-944-3	Oral	Non-applicable	Non-applicable	0.83 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	83 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	2.5 mg/m³	Non-applicable
reaction mass of N, N'-ethane1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl] octadecanamide and N, N'-ethane-1,2-diylbis(12- hydroxyoctadecan amide) CAS: Non-applicable EC: 432-430-3	Oral	Non-applicable	Non-applicable	5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	Non-applicable
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
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
2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3	Oral	36 mg/kg	Non-applicable	8,6 mg/kg	Non-applicable
	Dermal	72 mg/kg	Non-applicable	102 mg/kg	Non-applicable
	Inhalation	Non-applicable	200 mg/m³	80 mg/m³	Non-applicable
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 82919-37-7 EC: 280-060-4	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
Toluene CAS: 108-88-3 EC: 203-625-9	Oral	Non-applicable	Non-applicable	8.13 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	226 mg/kg	Non-applicable
	Inhalation	226 mg/m³	226 mg/m³	56.5 mg/m³	56.5 mg/m³

PNEC:

Identification				
Xylene CAS: 1330-20-7 EC: 215-535-7	STP	6.58 mg/L	Fresh water	0.327 mg/L
	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
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	STP	9.6 mg/L	Fresh water	0.1 mg/L
	Soil	2.68 mg/kg	Marine water	0.01 mg/L
	Intermittent	0.1 mg/L	Sediment (Fresh water)	13.7 mg/kg
	Oral	0.02 g/kg	Sediment (Marine water)	1.37 mg/kg
trizinc bis(orthophosphate) CAS: 7779-90-0 EC: 231-944-3	STP	0.1 mg/L	Fresh water	0.0206 mg/L
	Soil	35.6 mg/kg	Marine water	0.0061 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	117.8 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	56.5 mg/kg
reaction mass of N, N'-ethane1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide and N, N'-ethane-1,2-diylbis(12-hydroxyoctadecan amide) CAS: Non-applicable EC: 432-430-3	STP	100 mg/L	Fresh water	0.009 mg/L
	Soil	52.1 mg/kg	Marine water	0.001 mg/L
	Intermittent	3.7 mg/L	Sediment (Fresh water)	384 mg/kg
	Oral	0.2222 g/kg	Sediment (Marine water)	38.4 mg/kg
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
2-methoxy-1-methylethyl acetate CAS: 108-65-6	STP	100 mg/L	Fresh water	0.635 mg/L
	Soil	0.29 mg/kg	Marine water	0.064 mg/L

EC: 203-603-9	Intermittent	6.35 mg/L	Sediment (Fresh water)	3.29 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.329 mg/kg
2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3	STP	90 mg/L	Fresh water	0.304 mg/L
	Soil	0.415 mg/kg	Marine water	0.03 mg/L
	Intermittent	0.56 mg/L	Sediment (Fresh water)	2.03 mg/kg
	Oral	0.06 g/kg	Sediment (Marine water)	0.203 mg/kg
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 82919-37-7 EC: 280-060-4	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
Toluene CAS: 108-88-3 EC: 203-625-9	STP	13.61 mg/L	Fresh water	0.68 mg/L
	Soil	2.89 mg/kg	Marine water	0.68 mg/L
	Intermittent	0.68 mg/L	Sediment (Fresh water)	16.39 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	16.39 mg/kg

8.2. Exposure control

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
The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

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	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 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
 Mandatory complete body protection	Antistatic and fireproof protective clothing	CE CAT III	EN 1149-1:2006 EN 1149-2:1997 EN 1149-3:2004 EN 168:2002 EN ISO 14116:2015 EN 1149-5:2018	Limited protection against flames.
 Mandatory foot protection	Safety footwear with antistatic and heat resistant properties	CE CAT III	EN ISO 13287:2020 EN ISO 20345:2011	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): 34.1 % weight
V.O.C. density at 20ºC: 385 kg/m³ (385 g/L)
Average carbon number: 6.98
Average molecular weight: 102.37 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 20ºC: 450 kg/m³ (450 g/L)
EU limit for the product (Cat. B.E): 840 g/L (2010)
Components: non-applicable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

For complete information see the product datasheet.

Appearance:

Physical state at 20ºC:	Liquid
Appearance:	Paste
Colour:	Black
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	56 - 387ºC
Vapour pressure at 20ºC:	6486 Pa
Vapour pressure at 50ºC:	22796.05 Pa (22.8 kPa)
Evaporation rate at 20ºC:	Non-applicable *

Product description:

Density at 20ºC:	1130 kg/m³
Relative density at 20ºC:	1.132
Dynamic viscosity at 20ºC:	375000 cP
Kinematic viscosity at 20ºC:	Non-applicable *
Kinematic viscosity at 40ºC:	>20.5 mm²/s
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20ºC:	Non-applicable *
Partition coefficient n-octanol/water 20ºC:	Non-applicable *
Solubility in water at 20ºC:	Non-applicable *
Solubility properties:	Immiscible
Decomposition temperature:	1.1 % Volume
Melting point/freezing point:	7.6 % Volume

Flammability:

Flash Point:	15ºC
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	300ºC
Lower flammability limit:	Not available
Upper flammability limit:	Not available
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2. 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:
Surface tension at 20ºC: Non-applicable *
Refraction index: Non-applicable *

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

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No hazardous reactions are expected because the product is stable under recommended storage conditions.
See section 7 from Safety Data Sheet.

10.2. Chemical stability

Chemically stable under the indicated conditions of storage, handling and use.

10.3. Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4. Conditions to be avoided

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

10.5. Incompatible materials

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

10.6. 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_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

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, as it does not contain substances classified as hazardous for consumption. For more information see section 3

Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B. Inhalation (acute effect):

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.

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: It is advised that, due to the encapsulation of the active ingredient, it is estimated that inhalation hazards could be minimized. This criterion applies throughout the entire SDS.

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

Contact with the skin: Produces skin inflammation.

Contact with the eyes: Produces eye damage after contact.

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 hazardous for the effects mentioned. For more information see section 3.

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

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

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.

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

Specific target organ toxicity (STOT)-repeated 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.

Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

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
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	LD50 oral	3500 mg/kg	Rat
	LD50 dermal	15354 mg/kg	Rabbit
	LC50 inhalation	17.2 mg/L (4 h)	Rat
Xylene CAS: 1330-20-7 EC: 215-535-7	LD50 oral	2100 mg/kg	Rat
	LD50 dermal	1100 mg/kg	Rat
	LC50 inhalation	11 mg/L (ATEi)	
reaction mass of N, N'-ethane1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl) amino]ethyl]octadecanamide and N, N'-ethane-1,2-diylbis(12-hydroxyoctadecan amide) CAS: Non-applicable EC: 432-430-3	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>5 mg/L	
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	LD50 oral	8532 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rat
	LC50 inhalation	30 mg/L (4 h)	Rat

N-butyl acetate CAS: 123-86-4 EC: 204-658-1	LD50 oral	12789 mg/kg	Rat
	LD50 dermal	14112 mg/kg	Rabbit
	LC50 inhalation	23.4 mg/L (4 h)	Rat
acetone CAS: 67-64-1 EC: 200-662-2	LD50 oral	5800 mg/kg	Rat
	LD50 dermal	7426 mg/kg	Rabbit
	LC50 inhalation	76 mg/L (4 h)	Rat
trizinc bis(orthophosphate) CAS: 7779-90-0 EC: 231-944-3	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>5 mg/L	
2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3	LD50 oral	2100 mg/kg	Rat
	LD50 dermal	1480 mg/kg	Rabbit
	LC50 inhalation	11 mg/L (4 h)	Rat
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate CAS: 41556-26-7 EC: 255-437-1	LD50 oral	2615 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 82919-37-7 EC: 280-060-4	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>5 mg/L	
Toluene CAS: 108-88-3 EC: 203-625-9	LD50 oral	5580 mg/kg	Rat
	LD50 dermal	12124 mg/kg	Rat
	LC50 inhalation	28.1 mg/L (4 h)	Rat

11.1. Information on other hazards:

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

Other information:
Non-applicable.

SECTION 12: ECOLOGICAL INFORMATION

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

12.1. Toxicity

Acute toxicity:

Identification	Concentration		Species	Genus
Xylene CAS: 1330-20-7 EC: 215-535-7	LC50	>10 - 100 mg/L (96 h)		Fish
	EC50	>10 - 100 mg/L (48 h)		Crustacean
	EC50	>10 - 100 mg/L (72 h)		Algae
acetone CAS: 67-64-1 EC: 200-662-2	LC50	5540 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	8800 mg/L (48 h)	Daphnia pulex	Crustacean
	EC50	3400 mg/L (48 h)	Chlorella pyrenoidosa	Algae
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	LC50	42.3 mg/L (96 h)	Pimephales promelas	Fish
	EC50	75 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	63 mg/L (3 h)	Chlorella vulgaris	Algae
trizinc bis(orthophosphate) CAS: 7779-90-0 EC: 231-944-3	LC50	>0.1 - 1 mg/L (96 h)		Fish
	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
	EC50	>0.1 - 1 mg/L (72 h)		Algae
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	LC50	Non-applicable		
	EC50	Non-applicable		
	EC50	675 mg/L (72 h)	Scenedesmus subspicatus	Algae
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	LC50	161 mg/L (96 h)	Pimephales promelas	Fish
	EC50	481 mg/L (48 h)	Daphnia sp.	Crustacean
	EC50	Non-applicable		
2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3	LC50	80 mg/L (48 h)	Leuciscus idus	Fish
	EC50	37 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	500 mg/L (72 h)	Scenedesmus subspicatus	Algae
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate CAS: 41556-26-7 EC: 255-437-1	LC50	0.97 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	20 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 82919-37-7 EC: 280-060-4	LC50	>0.1 - 1 mg/L (96 h)		Fish
	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
	EC50	>0.1 - 1 mg/L (72 h)		Algae
Toluene CAS: 108-88-3 EC: 203-625-9	LC50	13 mg/L (96 h)	Carassius auratus	Fish
	EC50	11.5 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Xylene CAS: 1330-20-7 EC: 215-535-7	NOEC	1.3 mg/L	Oncorhynchus mykiss	Fish
	NOEC	1.17 mg/L	Ceriodaphnia dubia	Crustacean
acetone CAS: 67-64-1 EC: 200-662-2	NOEC	Non-applicable		
	NOEC	2212 mg/L	Daphnia magna	Crustacean
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	NOEC	Non-applicable		
	NOEC	0.96 mg/L	Ceriodaphnia dubia	Crustacean
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	NOEC	Non-applicable		
	NOEC	23.2 mg/L	Daphnia magna	Crustacean
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	NOEC	47.5 mg/L	Oryzias latipes	Fish
	NOEC	100 mg/L	Daphnia magna	Crustacean
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 82919-37-7 EC: 280-060-4	NOEC	Non-applicable		
	NOEC	1 mg/L	Daphnia magna	Crustacean

12.2. Persistence and degradability

Substance-specific information:

Identification	Degradability		Biodegradability	
Xylene CAS: 1330-20-7 EC: 215-535-7	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	88 %
acetone CAS: 67-64-1 EC: 200-662-2	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	96 %
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	14 days
	BOD5/COD	Non-applicable	% Biodegradable	90 %
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	5 days
	BOD5/COD	Non-applicable	% Biodegradable	84 %
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 %
2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3	BOD5	Non-applicable	Concentration	30 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	77.3 %
Toluene CAS: 108-88-3 EC: 203-625-9	BOD5	2.5 g O2/g	Concentration	100 mg/L
	COD	Non-applicable	Period	14 days
	BOD5/COD	Non-applicable	% Biodegradable	100 %

12.3. Bioaccumulative potential

Substance-specific information:

Identification	Bioaccumulation potential	
Xylene CAS: 1330-20-7 EC: 215-535-7	BCF	9
	Pow Log	2.77
	Potential	Low
acetone CAS: 67-64-1 EC: 200-662-2	BCF	1
	Pow Log	-0.24
	Potential	Low
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	BCF	1
	Pow Log	3.15
	Potential	Low
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	BCF	4
	Pow Log	1.78
	Potential	Low
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	BCF	1
	Pow Log	0.43
	Potential	Low
2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3	BCF	3
	Pow Log	1.51
	Potential	Low
Toluene CAS: 108-88-3 EC: 203-625-9	BCF	90
	Pow Log	2.73
	Potential	Moderate

12.4. Mobility in soil

Identification	Absorption/desorption		Volatility	
Xylene CAS: 1330-20-7 EC: 215-535-7	Koc	202	Henry	524,86 Pa·m³/mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	Non-applicable	Moist soil	Yes
Acetone CAS: 67-64-1 EC: 200-662-2	Koc	1	Henry	2,93 Pa·m³/mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2,304E-2 N/m (25 ºC)	Moist soil	Yes
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	Koc	520	Henry	798,44 Pa·m³/mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	2,859E-2 N/m (25 ºC)	Moist soil	Yes
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	2,478E-2 N/m (25 ºC)	Moist soil	Non-applicable
2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3	Koc	Non-applicable	Henry	5,532E-1 Pa·m³/mol
	Conclusion	Non-applicable	Dry soil	No
	Surface tension	Non-applicable	Moist soil	Yes
Toluene CAS: 108-88-3 EC: 203-625-9	Koc	178	Henry	672,8 Pa·m³/mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	2,793E-2 N/m (25 ºC)	Moist soil	Yes

12.5. Results of PBT and vPvB assesment
Product does not meet PBT/vPvB criteria.

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

12.7. Other hazardous effects
Not described.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. 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, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP4 Irritant — skin irritation and eye damage.

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.

SECTION 14: TRANSPORT INFORMATION

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

14.1. UN number or ID number
UN1263

14.2. UN proper shipping name
PAINT

14.3. Transport hazard class(es)
3
Labels: 3

14.4. Packing group
II

14.5. Environmental hazards
Yes.

14.6. Special precautions for user
Special regulations: 163, 367, 640D, 650
Tunnel restriction code: D/E
Physico-Chemical properties: see section 9
Limited quantities: 5L

14.7. Maritime transport in bulk according to IMO instruments
Non-applicable

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

14.1. UN number or ID number
UN1263

14.2. UN proper shipping name
PAINT

14.3. Transport hazard class(es)
3
Labels: 3

14.4. Packing group
II

14.5. Environmental hazards
Yes.

14.6. Special precautions for user
Special regulations: 367, 163
EmS Codes: F-E, S-E
Physico-Chemical properties: see section 9
Limited quantities: 5L
Segregation group: Non-applicable

14.7. Maritime transport in bulk according to IMO instruments
Non-applicable.

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

14.1. UN number or ID number
UN1263

14.2. UN proper shipping name
PAINT

14.3. Transport hazard class(es)
3
Labels: 3

14.4. Packing group
II

14.5. Environmental hazards
Yes.

14.6. Special precautions for user
Physico-Chemical properties: see section 9.

14.7. Maritime transport in bulk according to IMO instruments
Non-applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations / legislations 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: Non-applicable.

Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000	50000
E2	ENVIRONMENTAL HAZARDS	200	500

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

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

SECTION 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.:
COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):
· New declared substances
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7) Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (82919-37-7)
· Removed substances zinc oxide (1314-13-2)
Reaction mass of ethylbenzene and m-xylene and p-xylene
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)
Substances that contribute to the classification (SECTION 2):
· New declared substances Xylene (1330-20-7)
· Removed substances
Reaction mass of ethylbenzene and m-xylene and p-xylene
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)
CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):
· Hazard statements
· Precautionary statements
· Supplementary information
Information on basic physical and chemical properties (SECTION 9):
· Flash Point

Texts of the legislative phrases mentioned in section 2:
H411: Toxic to aquatic life with long lasting effects. H315: Causes skin irritation.
H373: May cause damage to organs through prolonged or repeated exposure (Oral). H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.
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: H312+H332 - Harmful in contact with skin or if inhaled.
Acute Tox. 4: H332 - Harmful 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 3: H412 - Harmful to aquatic life with long lasting effects.
Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life. 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.
Repr. 2: H361d - Suspected of damaging the unborn child.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Inhalation).

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.
STOT SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:
Aquatic Chronic 2: Calculation method Skin Irrit. 2: Calculation method
STOT RE 2: Calculation method
Flam. Liq. 2: Calculation method (2.6.4.3) Eye Irrit. 2: Calculation method

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.

Principal bibliographical sources:
http://echa.europa.eu http://eur-lex.europa.eu

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 this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

Changes to the Charter:
Update in sections:
9: change of the wording of the title of section 9.1: Information on basic physical and chemical properties
11: change of the wording of the title of section 11.1: Information on the hazard classes defined in Regulation (EC) No 1272/2008, section 11.2 added. Information about other threats
12: new section 12.6: Endocrine-disrupting properties.
14: change of the wording of section 14.1: UN number or ID number; change of wording of section 14.7: Maritime transport in bulk in accordance with IMO instruments.
Changes in the content of points:
1.1, 1.2, 2.1, 2.2, 2.3, 3.2, 4.1, 4.2, 4.3, 5.1, 5.2, 5.3, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 8.1, 8.2, 9.1, 9.2, 10.1, 10.2, 1 0.3, 10.4, 10.5, 10.6, 11.1, 11.2, 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 13.1, 14.1, 14.2, 14.3, 14.4, 14.5, 14.6, 14.7, 15. 1, 15.2, 16.
General update.

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