

SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT

NAME OF PRODUCT Clear Coat HSA 2K 5L

CODE 010014

2. HAZARDS IDENTIFICATION

2.1. 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) No1272/2008.

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.

2.2. 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.
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.

2.3. Other hazards

Product contains PBT/ vPvB substances: Octametilciclotetrasiloxano, Decametilciclopentasiloxano, Dodecametilciclohexasiloxano.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1. Substance

Non-applicable.

3.2. Mixture

Chemical description: Mixture composed of additives and resins in solvents.

Components:

In accordance with Annex II of Regulation (EC) No1907/2006 (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 acetate¹ ATP CLP00 Regulation 1272/2008 ! Flam Liq. 3: H226 ! STOT SE 3: H336 EUH066 Warning	10 - <25%
CAS: 110-43-0 EC: 203-767-1 Index: 606-024-00-3 REACH: 01-2119902391-49-XXXX	Heptan-2-one² ATP CLP00 Regulation 1272/2008 ! Acute Tox. 4: H302+H332 ! Flam. Liq. 3: H226 Warning	10 - <25%
CAS: 64742-95-6 EC: 918-668-5 Index: Non-applicable REACH: 01-2119455851-35-XXXX	Hydrocarbons, C9, aromatics² Self-classified Regulation 1272/2008 ! Aquatic Chronic 2: H411 ! Asp. Tox. 1: H304 ! Flam. Liq. 3: H226 ! Asp. Tox. 1: H304 ! STOT SE 3: H335 STOT SE 3: H336 EUH066 Danger	5 - <10%

CAS: 1330-20-7 EC: 215-535-7 Index: 601-022-00-9 REACH: 01-2119488216-32-XXXX	Xylene² Self-classified 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	1 - <2,5%
CAS: 67-64-1 EC: 200-662-2 Index: 606-001-00-8 REACH: 01-2119471330-49-XXXX	Acetone² ATP CLP00 Regulation 1272/2008 ! Eye Irrit. 2: H319 ! Flam. Liq. 2: H225 STOT SE 3: H336 EUH066 Danger	1 - <2,5%
CAS: 108-65-6 EC: 203-603-9 Index: 607-195-00-7 REACH: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate¹ ATP ATP01 Regulation 1272/2008 ! Flam. Liq. 3: H226 Warning	1 - <2,5%
CAS: Non-applicable EC: 400-830-7 Index: 607-176-00-3 REACH: 01-0000015075-76-XXXX	Hydroxyphenyl benzotriazol derivative² ATP CLP00 Regulation 1272/2008 ! Aquatic Chronic 2: H411 ! Skin. Sens. 1: H317 Warning	0,25 - <0,5%
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 sebacate² Self-classified Regulation 1272/2008 ! Aquatic Acute 1: H400 ! Aquatic Chronic 1: H410 ! Repr. 2: H361f ! Skin Sens. 1A: H317 Warning	0,25 - <0,5%
CAS: 77-58-7 EC: 201-039-8 Index: 050-030-00-3 REACH: 01-2119496068-27-XXXX	Dibutyltin Dilaurate² Self-classified 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	0,25 - <0,5%

CAS: 22504-50-3 EC: 245-044-3 Index: Non-applicable REACH: 01-2120775145-52-XXXX	Ethylene bis(3-mercaptopropionate)² Self-classified 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	<0,2
CAS: 97-86-9 EC: 202-613-0 Index: 607-113-00-X REACH: 01-2119488331-38-XXXX	Isobutyl methacrylate² ATP ATP13 Regulation 1272/2008 ⚠ Flam. Liq. 3: H226 ⚠ Skin Irrit. 2: H315 ⚠ Skin Sens. 1B: H317 STOT SE 3: H335 Warning	<0,2
CAS: 7575-23-7 EC: 231-472-8 Index: Non-applicable REACH: 01-2119486981-23-XXXX	Pentaerythritol tetrakis(3-mercaptopropionate)² Self-classified Regulation 1272/2008 ⚠ Acute Tox. 4: H302 ⚠ Aquatic Acute 1: H400 ⚠ Aquatic Chronic 1: H410 Skin Sens. 1A: H317 Warning	<0,2 %
CAS: 123-81-9 EC: 204-653-4 Index: Non-applicable REACH: 01-2120775150-61-XXXX	Ethylene di (S-thioacetate)² Self-classified Regulation 1272/2008 ⚠ Acute Tox. 4: H302+H312+H332 Eye Irrit. 2: H319 Skin Sens. 1A: H317 STOT SE 3: H335 Warning	<0,2 %

¹ Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No.2015/830.

² Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No.2015/830.

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

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

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.

4.2. Most important symptoms and effects, both acute and delayed

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

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

Non-applicable.

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 (CO₂).

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.

6. ACCIDENTAL RELEASE MEASURES

6.1. 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. Destroy 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:

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 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.

6.4. Reference to other sections

See sections 8 and 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe manipulation

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.

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.

Technical recommendations to prevent ergonomic and toxicological risks

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

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

Technical measures for storage

Minimum Temp.:	5°C
Maximum Temp.:	30°C
Maximum time:	24 Months

General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5.

7.3. 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

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		
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	IOELV (8h)	50 ppm	241 mg/m ³
	IOELV (STEL)	150 ppm	723 mg/m ³
Acetone CAS: 67-64-1 EC: 200-662-2	IOELV (8h)	500 ppm	1210 mg/m ³
	IOELV (STEL)		
Heptan-2-one CAS: 110-43-0 EC: 203-767-1	IOELV (8h)	50 ppm	238 mg/m ³
	IOELV (STEL)	100 ppm	475 mg/m ³
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	IOELV (8h)	50 ppm	275 mg/m ³
	IOELV (STEL)	100 ppm	550 mg/m ³
Xylene CAS: 1330-20-7 EC: 215-535-7	IOELV (8h)	50 ppm	221 mg/m ³
	IOELV (STEL)	100 ppm	442 mg/m ³

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	600mg/m ³	600mg/m ³	300mg/m ³	300mg/m ³
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/m ³	Non-applicable	394,25 mg/m ³	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/m ³	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	212mg/kg	Non-applicable
	Inhalation	442mg/m ³	442mg/m ³	221mg/m ³	221mg/m ³

Acetone CAS: 67-64-1 EC: 200-662-2	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	186mg/kg	Non-applicable
	Inhalation	Non-applicable	2420 mg/m ³	1210 mg/m ³	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/m ³	275 mg/m ³	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/m ³	Non-applicable
Reaction mass of Bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl piperidyl sebacate CAS: 1065336-91-5 EC: 915-687-0	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,5mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,68mg/m ³	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/m ³	Non-applicable	0,02 mg/m ³	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/m ³	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/m ³	409 mg/m ³
Pentaerythritol tetrakis (3-mercaptopropionate) CAS: 7575-23-7 EC: 231-472-8	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/m ³	1,74 mg/m ³	40,13 mg/m ³
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/m ³	Non-applicable

DNEL (General population)		Short exposure		Long exposure	
Identification		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/m ³	300 mg/m ³	35,7 mg/m ³	35,7 mg/m ³
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/m ³	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/m ³	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/m ³	260 mg/m ³	65,3 mg/m ³	65,3 mg/m ³
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/m ³	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/m ³	33 mg/m ³
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/m ³	Non-applicable
Reaction mass of Bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl 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/m ³	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/m ³	Non-applicable	0,005 mg/m ³	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/m ³	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/m ³	366,4 mg/m ³
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/m ³	0,43 mg/m ³	20,07 mg/m ³
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/m ³	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-ona 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 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
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

8.2. Exposure controls

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.

	<p>Respiratory protection. Mandatory respiratory tract protection. Filter mask for gases, vapours and particles. Replace when an increase in resistance to breathing is observed and/or a smell or taste of the contaminant is detected. EN 149: 2001+A1:2009. EN 405:2002+A1:2010.</p> <p>CE CAT III</p>
---	---

	<p>Specific protection for the hands. Mandatory hand protection. Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: >480 min, Thickness: 0.062 mm). Replace the gloves at any sign of deterioration. EN 420:2004+A1:2010.</p> <p>CE CAT III</p> <p>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.</p>
	<p>Ocular and facial protection. Mandatory face protection. Face shield. Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. EN 166:2002. EN 167: 2002. EN 168: 2002. EN ISO 4007: 2018.</p> <p>CE CAT II</p>
	<p>Body protection. Mandatory complete body protection. Disposable clothing for protection against chemical risks, with antistatic and fireproof properties. For professional use only. Clean periodically according to the manufacturer's instructions. 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.</p> <p>CE CAT III</p>
	<p>Body protection. Mandatory foot protection. Safety footwear for protection against chemical risk, with antistatic and heat resistant properties. Replace boots at any sign of deterioration. EN ISO 13287:2013. EN ISO 20345:2011. EN 13832-1:2019.</p> <p>CE CAT III</p>
	<p>Additional emergency measures. Emergency shower. ANSI Z358-1. ISO 3864-1:2011, ISO 3864-4:2011.</p>



Additional emergency measures.

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):	45,57 % weight
V.O.C. density at 20 °C:	448,39 kg/m ³ (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 °C:	415 kg/m ³ (415 g/L)
EU limit for the product (Cat. B.D):	420 g/L (2010)
Components	(Hardener solvent)

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Información sobre propiedades físicas y químicas básicas

For complete information see the product datasheet.

Appearance

Physical state at 20 °C	Liquid
Appearance	Fluid
Colour	Colourless
Odour	Solvent
Odour threshold	Non-applicable*

Volatility

Boiling point at atmospheric pressure	129°C
Vapour pressure at 20 °C	2031 Pa
Vapour pressure at 50 °C	8328,43 Pa (8,33 kPa)
Evaporation rate at 20 °C	Non-applicable*

Product description

Density at 20 °C	975 - 985 kg/m ³
Relative density at 20 °C	0,975 - 0,985
Dynamic viscosity at 20 °C	90-72 cP
Kinematic viscosity at 20 °C	83 mm ² /s
Kinematic viscosity at 40 °C	Non-applicable*
Concentration	Non-applicable*
pH	Non-applicable*
Vapour density at 20 °C	Non-applicable*
Partition coefficient n-octanol/water 20 °C	Non-applicable*
Solubility in water at 20 °C	Non-applicable*
Solubility properties	Immiscible
Decomposition temperature	Non-applicable*
Melting point/freezing point	Non-applicable*

Flammability

Flash Point

29°C

Flammability (solid, gas)

Non-applicable*

Autoignition temperature

310°C

Lower flammability limit

Not available

Upper flammability limit

Not available

Particle characteristics

Median equivalent diameter

Non-applicable

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

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 20 °C

Non-applicable*

Refraction index

Non-applicable*

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

10. STABILITY Y REACTIVITY

10.1. Reactivity

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

10.2. Chemical stability

Chemically stable under the 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 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

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 (CO₂), carbon monoxide and other organic compounds.

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:

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

Inhalation (acute effect):

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

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 dangerous 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 dangerous for this effect. For more information see section 3.

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 dangerous 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 dangerous for this effect. For more information see section 3.

Sensitizing effects:

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

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.

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 dangerous for this effect. For more information see section 3.
- Skin: Repeated exposure may cause skin dryness or cracking.

Aspiration hazard:

- Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous 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 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 (4h)	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 (4h)	Rat
Heptan-2-one CAS: 110-43-0 EC: 203-767-1	LD50 oral	500 mg/kg	Rat
	LD50 dermal	10206 mg/kg	Rabbit
	LC50 inhalation	11 mg/L (4h)	Rat
Hydrocarbons, C9, aromatics CAS: 64742-95-6 EC: 918-668-5	LD50 oral	3492 mg/kg	Rat
	LD50 dermal	3160 mg/kg	Rabbit
	LC50 inhalation	6193 mg/L (4h)	Rat
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	LD50 oral	8532 mg/kg	Rat
	LD50 dermal	5100 mg/kg	Rat
	LC50 inhalation	30 mg/L (4h)	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 (4h) (ATEi)	
Hydroxyphenyl benzotriazol derivative CAS: Non-applicable EC: 400-830-7	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>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	3230 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L (4h)	
Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8	LD50 oral	2071 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Ethylene bis (3-mercaptopropionate) CAS: 22504-50-3 EC: 245-044-3	LD50 oral	303 mg/kg	Rat
	LD50 dermal	1892 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
Isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0	LD50 oral	9600 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Pentaerythritol tetrakis (3-mercaptopropionate) CAS: 7575-23-7 EC: 231-472-8	LD50 oral	1000 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Ethylene di (S-thioacetate) CAS: 123-81-9 EC: 204-653-4	LD50 oral	303 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	3281,27 mg/kg (Calculation method)	0 %
Dermal	47332,19 mg/kg (Calculation method)	0 %
Inhalation	62,64 mg/L (4h) (Calculation method)	0 %

12. ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available.

12.1. Toxicity

Acute toxicity

Identification	Concentration		Species	Genus
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	LC50	Non-applicable		
	EC50	Non-applicable		
	EC50	675 mg/L (72h)	Scenedesmus subspicatus	Algae
Heptan-2-one CAS: 110-43-0 EC: 203-767-1	LC50	131 mg/L (96h)	Pimephales promelas	Fish
	EC50	Non-applicable		
	EC50	Non-applicable		
Hydrocarbons, C9, aromatics CAS: 64742-95-6 EC: 918-668-5	LC50	>1-10 mg/L (96h)		Fish
	EC50	>1-10 mg/L (48h)		Crustacean
	EC50	>1-10 mg/L (72h)		Algae
Xylene CAS: 1330-20-7 EC: 215-535-7	LC50	>10-100 (96h)		Fish
	EC50	>10-100 (48h)		Crustacean
	EC50	>10-100 (72h)		Algae
Acetone CAS: 67-64-1 EC: 200-662-2	LC50	5540 mg/L (96h)	Oncorhynchus mykiss	Fish
	EC50	8800 mg/L (48h)	Daphnia pulex	Crustacean
	EC50	3400 mg/L (48h)	Chlorella pyrenoidosa	Algae
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	LC50	161 mg/L (96h)	Pimephales promelas	Fish
	EC50	481 mg/L (48h)	Daphnia sp.	Crustacean
	EC50	Non-applicable		
Hydroxyphenyl benzotriazol derivative CAS: Non-applicable EC: 400-830-7	LC50	>1-10 mg/L (96h)		Fish
	EC50	>1-10 mg/L		Crustacean
	EC50	>1-10 mg/L		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 CAS: 77-58-7 EC: 201-039-8	LC50	>0,1-1 mg/L (96h)		Fish
	EC50	>0,1-1 mg/L (48h)		Crustacean
	EC50	>0,1-1 mg/L (72h)		Algae
Ethylene bis (3-mercaptopropionate) CAS: 22504-50-3 EC: 245-044-3	LC50	0,0594 mg/L (96h)	Danio rerio	Fish
	EC50	0,35 mg/L (48h)	Daphnia magna	Crustacean
	EC50	0,046 mg/L (72h)	Desmodesmus subspicatus	Algae

Isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0	LC50	20 mg/L (96h)	Oncorhynchus mykiss	Fish
	EC50	23 mg/L (48h)	Daphnia magna	Crustacean
	EC50	0,29 mg/L (96h)	Selenastrum capricornutum	Algae
Pentaerythritol tetrakis (3-mercaptopropionate) CAS: 7575-23-7 EC: 231-472-8	LC50	0,034 mg/L (96h)	Oncorhynchus mykiss	Fish
	EC50	0,35 mg/L (48h)	Daphnia magna	Crustacean
	EC50	0,12 mg/L (72h)	Pseudokirchneriella subcapitata	Algae
Ethylene di (S-thioacetate) CAS: 123-81-9 EC: 204-653-4	LC50	Non-applicable		
	EC50	110 mg/L (48h)	Daphnia magna	Crustacean
	EC50	110 mg/L (72h)	Desmodesmus subspicatus	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	NOEC	Non-applicable		
	NOEC	23.2 mg/L	Daphnia magna	Crustacean
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
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
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	NOEC	Non-applicable		
	NOEC	1 mg/L	Daphnia magna	Crustacean

12.2. Persistence and degradability

Identification	Degradability		Biodegradability	
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 %
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 %
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 %

12.3. Bioaccumulative potential

Identification	Bioaccumulation potential	
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	BCF	4
	Log POW	1,78
	Potencial	Low
Heptan-2-one CAS: 110-43-0 EC: 203-767-1	BCF	7
	Log POW	1,98
	Potencial	Low
Xylene CAS: 1330-20-7 EC: 215-535-7	BCF	9
	Log POW	2,77
	Potencial	Low
Acetone CAS: 67-64-1 EC: 200-662-2	BCF	1
	Log POW	-0,24
	Potencial	Low
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	BCF	1
	Log POW	0,43
	Potencial	Low
Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8	BCF	31
	Log POW	3,12
	Potencial	Moderate
Ethylene bis (3-mercaptopropionate) CAS: 22504-50-3 EC: 245-044-3	BCF	
	Log POW	1,94
	Potencial	
Isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0	BCF	26
	Log POW	2,66
	Potencial	Low
Pentaerythritol tetrakis (3-mercaptopropionate) CAS: 7575-23-7 EC: 231-472-8	BCF	24
	Log POW	3,03
	Potencial	Low
Ethylene di (S-thioacetate) CAS: 123-81-9 EC: 204-653-4	BCF	
	Log POW	1,46
	Potencial	

12.4. Mobility in soil

Identification	Absorption/desorption		Volatility	
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 °C)	Moist soil	Non-applicable
Heptan-2-one CAS: 110-43-0 EC: 203-767-1	Koc	280	Henry	17,12 Pa·m ³ /mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	2,612E-2 N/m (25 °C)	Moist soil	Yes
Xylene CAS: 1330-20-7 EC: 215-535-7	Koc	202	Henry	524,86 Pa·m ³ /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·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2,304E-2 N/m (25 °C)	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 CAS: 1065336-91-5 EC: 915-687-0	Koc	204400	Henry	0E+0 Pa·m ³ /mol
	Conclusion	Immobile	Dry soil	No
	Surface tension	Non-applicable	Moist soil	No
Isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0	Koc	1480	Henry	52,69 Pa·m ³ /mol
	Conclusion	Moderate	Dry soil	Yes
	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

12.5. Results of PBT and vPvB assessment

Product contains PBT/vPvB substances: Octametilciclotetrasiloxano, Decametilciclopentasiloxano, Dodecametilciclohexasiloxano.

12.6. Other adverse effects

Not described.

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.

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. We do not recommended disposal down the drain. 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 2021 and RID 2021:

	14.1. UN number:	UN1263
	14.2. UN proper shipping name:	PAINT
	14.3. Transport hazard class(es):	3
	Labels:	3
	14.4. Packing group:	III
	14.5. Environmental hazards:	No
	14.6. Special precautions for user:	
	Special regulations:	163, 367, 650
	Tunnel restriction code:	D/E
	Physico-Chemical properties:	See section 9
	Limited quantities:	5 L
	14.7. Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable


Transport of dangerous goods by sea:

With regard to IMDG 39-18:

	14.1. UN number:	UN1263
	14.2. UN proper shipping name:	PAINT
	14.3. Transport hazard class(es):	3
	Labels:	3
	14.4. Packing group:	III
	14.5. Environmental hazards:	No
	14.6. 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
	14.7. Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2021:

	14.1. UN number:	UN1263
	14.2. UN proper shipping name:	PAINT
	14.3. Transport hazard class(es):	3
	Labels:	3
	14.4. Packing group:	III
	14.5. Environmental hazards:	No
	14.6. Special precautions for user:	
	Physico-Chemical properties:	See section 9
	14.7. Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable

15. REGULATORY INFORMATION

15.1. 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.
- tricks and jokes.
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Contains Decamethylcyclotetrasiloxane, 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) No1223/2009 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.

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) No1907/2006 (Regulation (EC) No2015/830).

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.
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:

Minimal 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.