

MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No.1907/2006, 2020/878

Acryl Lackstift RAL Farben

Date: 19.02.2024

Version EN: 2.0

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

1.1. Product identifier

Acryl Lackstift RAL Farben

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: coating

Uses advised against: None

1.3. Details of the supplier of the safety data sheet

Pulverkönig GmbH

Am Amazonenwerk 8

27798 Hude

Tel. 017645671096

E-mail address of the person responsible for data sheet:

info@pulverlackfachhandel.de

1.4. Emergency telephone

043 822 63 30 (8.00 – 16.00)

112 (general emergency telephone number), 112 (fire-brigade), 112 (ambulance);

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Acc. to 1272/2008

Flam. Liq. 3; H226

Skin Irrit. 2; H315

STOT SE 3; H336

Aquatic Chronic 3; H412

Human health dangers:

Causes skin irritation. May cause drowsiness or dizziness.

Environmental hazards:

Harmful to aquatic life with long lasting effects

Physic-chemical hazards:

Flammable liquid and vapour.

2.2. Label elements

Contains: Hydrocarbons, C9, aromatics, N-butyl acetate

Pictograms:



Signal Word: Warning

Hazard Statement:

H226 – Flammable liquid and vapour.

H315 – Causes skin irritation.

H336 – May cause drowsiness or dizziness.

H412 – Harmful to aquatic life with long lasting effects

Precautionary Statement:

P102 – Keep out of reach of children.

P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 – Avoid breathing vapours.

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P273 – Avoid release to the environment.

P280 – Wear protective gloves/eye protection.

P312 – Call a POISON CENTRE/doctor if you feel unwell

EUH208: Contains Isobutyl methacrylate, Methyl methacrylate, Fatty acids, linseed-oil, reaction products with 2-amino-2-(hydroxymethyl)-1,3-propanediol and formaldehyde, N-butyl methacrylate, 2,3-epoxypropyl neodecanoate, 2-hydroxyethyl acrylate. May produce an allergic reaction.

Labelling of packages where the contents do not exceed 125 ml

Contains: Hydrocarbons, C9, aromatics, N-butyl acetate

Pictograms:



Signal Word: Warning

Hazard Statement:

H336 – May cause drowsiness or dizziness.

H412 – Harmful to aquatic life with long lasting effects

Precautionary Statement:

P102 – Keep out of reach of children.

P261 – Avoid breathing vapours.

P280 – Wear protective gloves/eye protection.

EUH208: Contains Isobutyl methacrylate, Methyl methacrylate, Fatty acids, linseed-oil, reaction products with 2-amino-2-(hydroxymethyl)-1,3-propanediol and formaldehyde, N-butyl methacrylate, 2,3-epoxypropyl neodecanoate, 2-hydroxyethyl acrylate. May produce an allergic reaction.

2.3. Other hazards

Annex XIII - Criteria for the identification of Persistent, Bioaccumulative and Toxic substances (BBT), and very Persistent and very Bioaccumulative substances (vPvB):

The mixture has no substances meeting the criteria as PBT or vPvB.

Substances with endocrine disrupting properties (in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100(3) or Commission Regulation (EU) 2018/605):

The mixture has no substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

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3.2. Mixtures

Hazardous ingredients:

Substance name	contains %	Hazard Class and Category Code(s)	Hazard Statement Code(s) Suppl. Hazard statement Code(s)	- Specific Conc. Limits, - M-factors - ATEs
Xylene - mix isomers * CAS: 1330-20-7 EC: 215-535-7 Index No.: 601-022-00-9 REACH No.: 01-2119539452-40-XXXX	40 – <45	Flam. Liq. 3 Acute Tox. 4 Acute Tox. 4 Skin Irrit. 2	H226 H332 H312 H315	-
Hydrocarbons, C9, aromatics CAS: - EC: 918-668-5 Index No.: - REACH No.: 01-2119455851-35-XXXX N-butyl acetate*	6 – <15	Flam. Liq. 3 Asp. Tox. 1 STOT SE 3 STOT SE 3 Aquatic Chronic 2	H226 H304 H335 H336 H411 EUH066	-
CAS: 123-86-4 EC: 204-658-1 Index No.: 607-025-00-1 REACH No.: 01-2119485493-29-XXXX Ethylbenzene *	4 – <15	Flam. Liq. 3 STOT SE 3	H226 H336 EUH066	-
CAS: 100-41-4 EC: 202-849-4 Index No.: 601-023-00-4 REACH No.: 01-2119489370-35-XXXX 2- methoxy-1-methylethyl acetate*	2 – <4	Flam. Liq. 2 Acute Tox. 4 Asp. Tox. 1 STOT RE 2	H225 H332 H304 H373 (hearing organs)	-
CAS: 108-65-6 EC: 203-603-9 Index No.: 607-195-00-7 REACH No.: 01-2119475791-29-XXXX Isobutyl methacrylate*	0,1 – <2	Flam. Liq. 3	H226	-
CAS: 97-86-9 EC: 202-613-0 Index No.: 607-113-00-X REACH No.: 01-2119488331-38-XXXX Methyl methacrylate*	0,1 – <0,5	Flam. Liq. 3 Skin Irrit. 2 Skin Sens. 1B STOT SE 3	H226 H315 H317 H335	-
CAS: 80-62-6 WE: 201-297-1 Nr indeksowy: 607-035-00-6 Nr REACH: 01-2119452498-28-XXXX Fatty acids, linseed-oil, reaction products with 2-amino-2-(hydroxymethyl)-1,3-propanediol and formaldehyde	0,1 – <0,5	Flam. Liq. 2 Skin Irrit. 2 Skin Sens. 1 STOT SE 3	H225 H315 H317 H335	-
CAS: 80584-99-2 EC: 279-510-2 Index No.: - REACH No.: 01-2120771590-53-XXXX N- butyl methacrylate*	0,1 – <0,5	Skin Sens. 1B Aquatic Chronic 3	H317 H412	-
CAS: 97-88-1 EC: 202-615-1 Index No.: 607-033-00-5 REACH No.: 01-2119486394-28-XXXX	0,1 – <0,4	Flam. Liq. 3 Skin Irrit. 2 Eye Irrit. 2 Skin Sens. 1B STOT SE 3	H226 H315 H319 H317 H335	-

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2,3-epoxypropyl neodecanoate CAS: 26761-45-5 EC: - Index No.: - REACH No.: -	0,1 – <0,2	Skin Sens. 1 Aquatic Chronic 2	H317 H411	-
2-hydroxyethyl acrylate* CAS: 818-61-1 EC: 212-454-9 Index No.: 607-072-00-8 REACH No.: -	0,1 – <0,2	Acute Tox. 3 Skin Corr. 1B Skin Sens. 1 Aquatic Acute 1	H311 H314 H317 H400	Skin Sens. 1 ; H317 : C ≥ 0,2%

Full text of H-phrases in Section 16

*the substance for which workplace exposure limits are available

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin contact:

Take off contaminated clothing. Wash with plenty of soap and water. In case of skin irritation or rash: seek advice/seek medical attention.

Eye contact:

Rinse for several minutes (about 15) with plenty of water, holding eyelids apart. Avoid strong stream, due to the risk of corneal damage, contact your doctor.

Inhalation:

Remove to fresh air. Get medical attention if you feel unwell.

Ingestion:

Do NOT induce vomiting. Obtain medical attention.

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

Skin contact: cause irritation, redness, allergic reactions may occur.

Eye contact: may cause irritation

Respiratory system: inhalation of concentrated vapours may cause headaches and dizziness, nausea, narcotic effect.

Ingestion: causes abdominal pain, nausea, vomiting.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: foam, dry powder extinguishers, CO₂, water spray. Use appropriate extinguishing method for conditions.

Unsuitable extinguishing media: Do not use a direct water jet.

5.2. Special hazards arising from the substance or mixture

Flammable liquid and vapour.

In case of the fire, thermal decomposition products can be released: carbon oxides.

5.3. Advice for firefighters

The containers in fire area cool with water spray, if it is possible remove them from the danger zone.

Do not allow fire-fighting water run-off into surface water, groundwater and sewer.

In the event of a fire in a confined space should wear protective clothing and breathing apparatus with compressed air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Notify the appropriate service. Reduce access to the area of failure until the relevant cleaning operations have been completed. Avoid contact with the released product. Remove all potential sources of ignition.

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6.2. Environmental precautions
Do not allow this product to enter drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up
Prevent leakage and absorb with inert, absorbent material (such as sand, earth, vermiculite, diatomaceous earth, etc.). The contaminated material should be placed in properly labelled containers for disposal in accordance with applicable regulations.

6.4. Reference to other sections
Refer to protective measures listed in section 8.
Refer to disposal considerations listed in section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Use the product only in well ventilated rooms. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid breathing product vapours.
Avoid sources of ignition, high temperature, hot surfaces and open flame. Take action to prevent static discharges. Use non-sparking tools.
Do not eat, drink or smoke while using the product. Wash your hands after using the product. Remove contaminated clothing and protective equipment from entering food areas.

7.2. Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well-ventilated area in a properly labelled tightly sealed original container.
Avoid direct sunlight and sources of heat, hot surfaces and open flames.

7.3. Specific end use(s)
See section 1.2. - no additional recommendations

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Occupational exposure limit values:

Substance	Xylene, o-, m-, p- or mixed isomers			
CAS No.	1330-20-7 108-38-3 106-42-3 95-47-6			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m³	ppm	mg/m³
Austria	50	221	100	442
Belgium	50 (1)	221 (1)	100 (1)(2)	442 (1)(2)
Denmark	25 (1)	109 (1)	50 (1)(2)	218 (1)(2)
European Union	50	221	100 (1)	442 (1)
Finland	50	220	100 (1)	440 (1)
France Germany	50	221	100 (1)	442 (1)
(AGS) Germany	50 (1)	220 (1)	100 (1)(2)	440 (1)(2)
(DFG) Hungary	50 (1)	220 (1)	100 (1)(2)	440 (1)(2)
Ireland		221 (1)		442 (1)(2)
Italy	50	221	100 (1)	442 (1)
Latvia	50 (1)	221 (1)	100 (1)(2)	442 (1)(2)
Norway	50	221	100 (1)	442 (1)
Poland	25 (1)	108 (1)		
Romania		100 (1)		200 (1)(2)
	50	221	100 (1)	442 (1)

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Spain	50	221	100	442
Sweden	50	221	100 (1)	442 (1)
Switzerland	50	220	100 (1)	440 (1)
The Netherlands		210 (1)		442 (1)(2)
United Kingdom	50	220	100	441
	Remarks			
Belgium	(1) Additional indication "D" means that the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air. (2) 15 minutes average value			
Denmark	(1) Skin (2) 15 minutes average value			
European Union	(1) 15 minutes average value Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ (for references see bibliography)			
Finland	(1) 15 minutes average value			
France	Bold type: Restrictive statutory limit values Skin (1) 15 minutes average value			
Germany (AGS)	(1) Skin (2) 15 minutes average value			
Germany (DFG)	(1) Skin (2) 15 minutes average value			
Hungary	(1) Skin (2) 15 minutes average value			
Ireland	(1) 15 minutes reference period			
Italy	(1) Skin (2) 15 minutes average value			
Latvia	(1) 15 minutes average value			
Norway	(1) Skin			
Poland	(1) Skin (2) 15 minutes average value			
Romania	(1) 15 minutes average value			
Sweden	(1) 15 minutes average value			
Switzerland	(1) 15 minutes average value			
The Netherlands	(1) Skin (2) 15 minutes average value			

Substance	n-Butyl acetate 123-86-			
CAS No.	4			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Austria	50	241	100 (1)	480 (1)
Belgium	50	238	150 (1)	712 (1)
Denmark	150	241	300 (1)	1420 (1)
European Union	50	241	150 (1)	723 (1)
Finland	50	240	150 (1)	725 (1)
France	50	241	150 (1)	723 (1)
Germany (AGS)	62	300	124 (1)	600 (1)
Germany (DFG)	100	480	200 (1)	960 (1)
Hungary		241		723 (1)
Ireland	50	241	150 (1)	723 (1)
Italy	50	241	150 (1)	723 (1)
Latvia	50	241	150 (1)	723 (1)
Norway	75	355		
Poland		240		720 (1)
Romania	50	241	150 (1)	723 (1)
Spain	150	724	200	965
Sweden	50	241	150 (1)	723 (1)
Switzerland	50	240	150 (1)	720 (1)
The Netherlands		241		723 (1)
United Kingdom	150	724	200	966
	Remarks			
Austria	(1) 15 minutes average value			
Belgium	(1) 15 minutes average value			
Denmark	(1) 15 minutes average value			
European Union	(1) 15 minutes average value Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ (for			

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	references see bibliography)
Finland	(1) 15 minutes average value
France	Bold type: Restrictive statutory limit values (1) 15 minutes average value
Germany (AGS)	(1) 15 minutes average value
Germany (DFG)	(1) 15 minutes average value
Hungary	(1) 15 minutes average value
Ireland	(1) 15 minutes average value
Italy	(1) 15 minutes average value
Latvia	(1) 15 minutes average value
Poland	(1) 15 minutes average value
Romania	(1) 15 minutes average value
Sweden	(1) 15 minutes average value
Switzerland	(1) 15 minutes average value
The Netherlands	(1) 15 minutes average value

Substance	Ethylbenzene			
CAS No.	100-41-4			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Austria	100	440	200	880
Belgium	20 (1)	87 (1)	125 (1)(2)	551 (1)(2)
Denmark	50 (1)	217 (1)	100 (1)(2)	434 (1)(2)
European Union	100	442	200 (1)	884 (1)
Finland	50	220	200 (1)	880 (1)
France	20	88,4 88	100 (1)	442 (1)
Germany (AGS)	20 (1)	(1) 88	40 (1)(2)	176 (1)(2)
Germany (DFG)	20 (1)	(1) 442	40 (1)(2)	176 (1)(2)
Hungary		(1) 442		884 (1)(2)
Ireland	100	442 (1)	200 (1)	884 (1)
Italy	100 (1)	442	200 (1)(2)	884 (1)(2)
Latvia	100	20 (1)	200 (1)	884 (1)
Norway	5 (1)	200		
Poland		442		400
Romania	100	441	200 (1)	884 (1)
Spain	100	220	200	884
Sweden	50	435	200 (1)	884 (1)
Switzerland	100	215 (1)	100	435
The Netherlands		441		430 (1)(2)
United Kingdom	100		125	552
	Remarks			
Belgium	(1) Additional indication "D" means that the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air. (2) 15 minutes average value			
Denmark	(1) Skin (2) 15 minutes average value			
European Union	(1) 15 minutes average value Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ (for references see bibliography)			
Finland	(1) 15 minutes average value			
France	Bold type: Restrictive statutory limit values Skin (1) 15 minutes average value			
Germany (AGS)	(1) Skin (2) 15 minutes average value			
Germany (DFG)	(1) Skin (2) 15 minutes average value			
Hungary	(1) Skin (2) 15 minutes average value			
Ireland	(1) 15 minutes reference period			
Italy	(1) Skin (2) 15 minutes average value			
Latvia	(1) 15 minutes average value			
Norway	(1) Skin			
Romania	(1) 15 minutes average value			

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Spain	skin
Sweden	(1) 15 minutes average value
The Netherlands	(1) Skin (2) 15 minutes average value

Substance	1-Methoxypropyl acetate			
CAS No.	108-65-6			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Austria	50	275	100	550
Belgium	50 (1)	275 (1)	100 (1)(2)	550 (1)(2)
Denmark	50 (1)	275 (1)	100 (1)(2)	550 (1)(2)
European Union	50	275	100 (1)	550 (1)
Finland	50	270	100 (1)	550 (1)
France	50	275	100 (1)	550 (1)
Germany (AGS)	50	270	50 (1)	270 (1)
Germany (DFG)	50	270	50 (1)	270 (1)
Hungary		275		550 (1)
Ireland	50	275	100 (1)	550 (1)
Italy	50 (1)	275 (1)	100 (1)(2)	550 (1)(2)
Latvia	50	275	100 (1)	550 (1)
Norway	50 (1)	270 (1)		
Poland		260		520 (1)
Romania	50	275	100 (1)	550 (1)
Spain	50 (1)	275 (1)	100 (1)(2)	550 (1)(2)
Sweden	50	275	100 (1)	550 (1)
Switzerland	50	275	50	275
The Netherlands		550		
United Kingdom	50	274	100	548

	Remarks
Belgium	(1) Additional indication "D" means that the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air. (2) 15 minutes average value
Denmark	(1) Skin (2) 15 minutes average value
European Union	(1) 15 minutes average value Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ (for references see bibliography)
Finland	(1) 15 minutes average value
France	Bold type: Restrictive statutory limit values Skin (1) 15 minutes average value
Germany (AGS)	(1) 15 minutes average value
Germany (DFG)	(1) 15 minutes average value
Hungary	(1) 15 minutes average value
Ireland	(1) 15 minutes reference period
Italy	(1) Skin (2) 15 minutes average value
Latvia	(1) 15 minutes average value
Norway	(1) Skin
Poland	(1) 15 minutes average value
Romania	(1) 15 minutes average value
Spain	(1) Skin (2) 15 minutes average value
Sweden	(1) 15 minutes average value

Substance	Methyl methacrylate			
CAS No.	80-62-6			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Austria	50	210	100	420
Belgium	50	208	100 (1)	416 (1)
Denmark	25 (1)	102 (1)	50 (1)(2)	204 (1)(2)

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European Union	50		100 (1)	
Finland	10	42	50 (1)	210 (1)
France	50	205	100 (1)	410 (1)
Germany (AGS)	50	210	100 (1)	420 (1)
Germany (DFG)	50	210	100 (1)	420 (1)
Hungary		208 (1)		415 (1)(2)
Ireland	50		100 (1)	
Italy	50		100 (1)	
Latvia		10		
Norway	25	100	100 (1)	400 (1)
Poland		100		300
Romania	50	205	100 (1)	410 (1)
Spain	50	100	100 (1)	416 (1)
Sweden	50	200	100 (1)	400 (1)
Switzerland	50	210	100	420
The Netherlands		205		410 (1)
United Kingdom	50	208	100	416
	Remarks			
Belgium	(1) 15 minutes average value			
Denmark	(1) Skin (2) 15 minutes average value			
European Union	(1) 15 minutes average value Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ (for references see bibliography)			
Finland	(1) 15 minutes average value			
France	Bold type: Restrictive statutory limit values (1) 15 minutes average value			
Germany (AGS)	(1) 15 minutes average value			
Germany (DFG)	(1) 15 minutes average value			
Hungary	(1) Skin (2) 15 minutes average value			
Ireland	(1) 15 minutes reference period			
Italy	(1) 15 minutes average value			
Norway	(1) 15 minutes average value			
Romania	(1) 15 minutes average value			
Spain	(1) 15 minutes average value			
Sweden	(1) 15 minutes average value			
The Netherlands	(1) 15 minutes average value			

Substance	n-Butyl methacrylate			
CAS No.	97-88-1			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Denmark	25	145	50	290
France	10	60		
Latvia		30		
Norway	10	59		
Poland		100		300
Romania	25	150	43 (1)	250 (1)
Sweden	50	300	75 (1)	450 (1)
	Remarks			
Romania	(1) 15 minutes average value			
Sweden	(1) 15 minutes average value			

Substance	Isobutyl methacrylate			
CAS No.	97-86-9			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Austria	50	300	75	450

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Denmark	25	145	50	290
Norway	50	300		
Sweden	50	300	75 (1)	450 (1)
	Remarks			
Sweden	(1) 15 minutes average value			

Substance	2-Hydroxyethyl acrylate			
CAS No.	818-61-1			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Denmark	1 (1)	5 (1)	2(1) (2)	10 (1) (2)
Latvia		0,5		
Sweden	1	5	2(1)	10 (1)
	Remarks			
Denmark	(1) Skin (2) 15 minutes average value			
Sweden	(1) 15 minutes average value			

Xylene

DNEL Industrial, inhalation, long-term, systemic: : 221 mg/m³

DNEL Industrial, dermal, long-term, systemic: 212 mg/kg

PNEC fresh water: 0,327mg/l

PNEC marine water: 0,327mg/l

PNEC sediment fresh water: 12,46mg/kg

PNEC sediment marine water: 12,46mg/kg

PNEC STP: 6,58mg/l

PNEC soil: 2,31mg/kg

Hydrocarbons, C9, Aromatics

DNEL Industrial, inhalation, long-term, systemic: 150mg/m³

DNEL Industrial, dermal, long-term, systemic: 25mg/kg

N-butyl acetate

DNEL Industrial, inhalation, long-term, systemic: 300mg/m³

DNEL Industrial, inhalation, short-term, systemic: 600mg/m³

DNEL Industrial, dermal, long-term, systemic: 11mg/kg

DNEL Industrial, dermal, short-term, systemic: 11mg/kg

DNEL consumer, inhalation, long-term, local: 35,7mg/m³

DNEL consumer, inhalation, short-term, systemic: 300mg/m³

DNEL consumer, inhalation, short-term, local: 300mg/m³

DNEL consumer, dermal, long-term, systemic: 6mg/kg

DNEL consumer, dermal, short-term, systemic: 11mg/kg

DNEL consumer, oral, long-term, systemic: 2mg/kg

DNEL consumer, oral, short-term, systemic: 2mg/kg

PNEC fresh water: 0,18mg/l

PNEC marine water: 0,018mg/l

PNEC STP: 35,6mg/l

PNEC soil: 0,09mg/kg

8.2. Exposure controls

Engineering controls:

Provide effective ventilation.

Observe occupational health and safety.

Wash hands during breaks and after working with the product.

Do not eat, drink or smoke while handling the product.

Take off contaminated clothing and wash it before reuse.

Individual protection measures, such as personal protective equipment:

Personal protective equipment should be selected according to the hazards present at the workplace, taking into account Regulation (EU) 2016/425 of the European Parliament and of the Council and in accordance with the relevant CEN standards.

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Eye protection:

Safety goggles (according to EN ISO 16321-1:2022-10).

Skin protection:

Hands:

Appropriate chemical resistant gloves (according to EN 374)

Recommended material: nitril rubber

Thickness: >0,4mm

Time of penetration: >480min.

The selection of suitable gloves does not only depend on the material, but also on the brand and quality resulting from differences in manufacturers. Resistance of the material, the glove can be determined after the tests. The exact time of the destruction of the protective gloves must be determined by the manufacturer.

Other:

Wear working clothing.

Respiratory Protection:

Use suitable respiratory protective device in case of insufficient ventilation - mask or half mask complete with filter and vapour absorber A (according to EN14387).

Thermal hazards:

Not applicable.

Environmental exposure controls:

Prevent the spread in the environment and enter drains and watercourses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a)	Physical state	Liquid
b)	Colour	According to specification
c)	Odour	Characteristic for solvents
d)	Melting point/freezing point (Does not apply to gases)	No data available
e)	Boiling point or initial boiling point and boiling range	No data available
f)	Flammability (Applies to gases, liquids and solids)	Flammable liquid
g)	Lower and upper explosion limit (Do not apply to solids)	No data available
h)	Flashpoint (Does not apply to gases, aerosols and solids)	ca. 33°C
i)	Auto-ignition temperature (Only applies to gases and liquids)	No data available
j)	Decomposition temperature (Only applies to self-reactive substances and mixtures, organic peroxides, and other substances and mixtures that may decompose)	Not applicable
k)	pH (Does not apply to gases)	Not applicable – not soluble in water
l)	Kinematic viscosity (Only applies to liquids)	>20,5mm ² /s at 40°C
m)	Solubility	Not soluble in water
n)	Partition coefficient n-octanol/water (log value)	Not applicable – mixture

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o)	Vapour pressure	No data available
p)	Density and/or relative density (Only apply to liquids and solids)	No data available
q)	Relative vapour density (Only applies to gases and liquids)	No data available
r)	Particle characteristics (Only apply to solids)	Not applicable

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is not reactive.

10.2. Chemical stability

Stable under normal conditions of use, storage and transport.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources (see section 7).

10.5. Incompatible materials

Oxidizing materials. Strong acids, bases.

10.6. Hazardous decomposition products

No decomposition under recommended conditions of use and storage.

Thermal decomposition products - see section 5.

SECTION 11: Toxicological information

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

a)	Acute toxicity	Based on the available data, the classification criteria are not met ATE mix dermal: >2400mg/kg ATE mix inhalation, vapours: >22mg/l ATE mix inhalation, mist/dust: >3mg/l
b)	Skin corrosion/irritation	Causes skin irritation.
c)	Serious eye damage/irritation	Based on the available data, the classification criteria are not met
d)	Respiratory or skin sensitization	Based on the available data, the classification criteria are not met
e)	Germ cell mutagenicity	Based on the available data, the classification criteria are not met
f)	Carcinogenicity	Based on the available data, the classification criteria are not met
g)	Reproductive toxicity	Based on the available data, the classification criteria are not met
h)	STOT-single exposure	May cause drowsiness or dizziness.
i)	STOT-repeated exposure	Based on the available data, the classification criteria are not met
j)	Aspiration hazard	Based on the available data, the classification criteria are not met

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Xylene

LD50 (oral, rat): 3523 – 4000 mg/kg

LD50 (dermal, rabbit): 121236 mg/kg

LC50 (inhalation, rat): 6350 - 6700ppm, 4h (gas)

Hydrocarbons, C9, Aromatics

LD50 (oral, rat): 3492mg/kg

LD50 (dermal, rabbit): >3160mg/kg

N-butyl acetate

LD50 (oral, rat): 10768mg/kg

LD50 (dermal, rabbit): >17600mg/kg

LC50 (inhalation, rat): 21,1mg/l, 4h (vapour)

11.2. Information on other hazards

Endocrine disrupting properties

None.

SECTION 12: Ecological information

12.1.Toxicity

Harmful to aquatic life with long lasting effects

Prevent the spread in the environment and enter drains and watercourses.

Xylene

LC50 fish (Oncorhynchus mykiss): 2,6mg/l, 96h

EC50 crustaceans (Daphnia magna): 1mg/l, 24h

EC50 algae (Selenastrum capricornutum): 2,2mg/l, 72h

NOEC microorganisms (activated sludge): 16mg/l, 28 days

Hydrocarbons, C9, Aromatics

LC50 fish(Oncorhynchus mykiss): 9,2mg/l, 96h

N-butyl acetate

LC50 fish (Menidia beryllina): 185mg/l, 96h

12.2. Persistence and degradability

For the mixture: no information available

12.3. Bioaccumulative potential

For the mixture: no information available

Xylene

Log Po/w: 3,16

Low potential.

N-butyl acetate

Log Po/w: 2,3

Low potential.

12.4. Mobility in soil

For the mixture: no information available

12.5. Results of PBT and vPvB assessment

The mixture has no substances that meet the criteria for classification as PBT or vPvB.

12.6. Endocrine disrupting properties

The mixture has no substances with endocrine disrupting properties.

12.7. Other adverse effects

No information available.

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SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Recommendations for the product: Dispose of in accordance with local regulations. Store in original containers. Waste code should be given at the place of manufacture.

Waste code:

Recommendations for used packaging: Recycle / recycle / dispose of packaging waste in accordance with applicable regulations. Only fully emptied packaging can be recycled.

Directive 2008/98/EC Of The European Parliament And Of The Council of 19 November 2008 on waste and repealing certain Directives as amended

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1. UN number	1263	1263	1263	1263
14.2. UN proper shipping name	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)
14.3. Transport hazard class(es)	3 Label: 3 	3 Label: 3 	3 Label: 3 	3 Label: 3 
14.4. Packing group	III	III	III	III
14.5. Environmental hazards	No	No	No	No
14.6 Special precautions for user	Classification code: F1 Limited quantities LQ: 5L Excluded quantities: E1 Hazard identification number: 30 Transport category: 3 Tunnel restriction code: D/E	Classification code: F1 Limited quantities LQ: 5L Excluded quantities: E1	LQ: 5L EmS: F-E, S-E Stowage and handling: Category A Segregation: -	Passenger Aircraft (PAX) IATA LTD QTY Pkg Inst: Y344 IATA LTD QTY Max Qty per Pkg: 10L IATA Pkg Inst:355 Max Capacity per inner receptacle: 5L Max Net Qty per Pkg: 30L Cargo Aircraft (CAO) Cargo Air Packing Inst: 366 Cargo Air Max : 30L IATA Special Prov: A3, A72, A192
14.7. Maritime transport in bulk according to IMO instruments	No data available			

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU REGULATIONS:

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.
2. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
3. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.
4. Regulation (EU) 2016/425 of The European Parliament and of The Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC
5. Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
6. Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC
7. Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
8. Commission Directive (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU
9. Commission Directive (EU) 2019/1831 of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
10. Directive 2008/98/EC Of The European Parliament And Of The Council of 19 November 2008 on waste and repealing certain Directives as amended
11. European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended

The Seveso III Directive

- Directive 2012/18/EU Of The European Parliament And Of The Council of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC

Column 1	Column 2	Column 3
Hazard categories in accordance with Regulation (EC) No 1272/2008	Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of	
	Lower-tier requirements	Upper-tier requirements
P5c	5 000	50 000

Biocidal products

- Regulation (EU) No 528/2012 Of The European Parliament And Of The Council of 22 May 2012 concerning the making available on the market and use of biocidal products

Not applicable

Explosives precursors

- Regulation (EU) 2019/1148 Of The European Parliament And Of The Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

Not applicable

Drug precursors

- Regulation (EC) No 273/2004 of The European Parliament And Of The Council of 11 February 2004 on drug precursors

Not applicable

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Detergents

- Regulation (EC) No 648/2004 of The European Parliament And Of The Council of 31 March 2004 on detergents

Not applicable

- List of substances subject to authorization (REACH; Annex XIV):

Not applicable

- Candidate list of SVHCs:

Not applicable

- Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (REACH; Annex XVII):

Not applicable

15.2. Chemical safety assessment

No chemical safety assessments for the mixture.

SECTION 16: Other information

Abbreviations and acronyms, list of relevant hazard statements used in the safety data sheet:

H225 – Highly flammable liquid and vapour

H226 – Flammable liquid and vapour.

H304 – May be fatal if swallowed and enters airways.

H311 – Toxic in contact with skin.

H312 – Harmful in contact with skin.

H314 – Causes severe skin burns and eye damage.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

H332 – Harmful if inhaled.

H335 – May cause respiratory irritation.

H336 – May cause drowsiness or dizziness

H373 – May cause damage to organs through prolonged or repeated exposure

H400 – Very toxic to aquatic life.

H411 – Toxic to aquatic life with long lasting effects.

H412 – Harmful to aquatic life with long lasting effects

EUH066 – Repeated exposure may cause skin dryness or cracking

Flam. Liq. 2 – Flammable liquid cat. 2

Flam. Liq. 3 – Flammable liquid cat. 3

Acute Tox. 3 – Acute toxicity cat. 3

Acute Tox. 4 – Acute toxicity cat. 4

Asp. Tox.1 – Aspiration hazard cat. 1

Skin Corr. 1B – Skin corrosion cat. 1B

Skin Irrit. 2 – Skin irritation cat. 2

Eye Irrit. 2 – Eye irritation cat. 2

Skin Sens. 1 – Skin sensitization cat. 1

Skin Sens. 1B – Skin sensitization cat. 1B

STOT SE 3 – Specific target organ toxicity - single exposure cat. 3

STOT RE 2 – Specific target organ toxicity - repeated exposure cat. 2

Aquatic Acute 1 – Hazardous to the aquatic environment cat. 1

Aquatic Chronic 2 – Hazardous to the aquatic environment cat. 2

Aquatic Chronic 3 – Hazardous to the aquatic environment cat. 3

DNEL – derived no-effect level

PNEC – predicted no effect concentration

ATE – Acute Toxicity Estimate

LD50 – lethal dose, 50%

LC50 – lethal concentration, 50%

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EC50 – effective concentration, 50%

NOEC – no observed effects concentration

PBT – Persistent, Bioaccumulative and Toxic

vPvB – very Persistent and very Bioaccumulative

ADR – International Carriage of Dangerous Goods by Road

RID – International Carriage of Dangerous Goods by Rail

IMDG – International Maritime Dangerous Goods

ICAO – Safe Transport of Dangerous Goods by Air

Classification procedure:

Flam. Liq. 3; H226 – Based on value of flash point

Skin Irrit. 2; H315 – Based on the content of the ingredients (calculation method)

STOT SE 3; H336 – Based on the content of the ingredients (calculation method)

Aquatic Chronic 3; H412 – Based on the content of the ingredients (calculation method)

Training:

Before working with the product is recommended safety training of employees in connection with the occurrence of workplace chemicals. Documentation should be prepared and employees should be familiarized with the results of risk assessment in the workplace associated with the presence of chemical agents.

RESOURCES

Annex to Regulation (EU) 2020/878

Current legislation (Section 15).

Information Agency for Chemical Substances.

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by producer and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.