

**Trade name:** einzA silicon Grundfestiger**Product no.:** 0035939**Current version :** 3.0.0, issued: 21.04.2021**Replaced version:** 2.2.0, issued: 07.08.2020**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

**einzA silicon Grundfestiger****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

coating material

**Uses advised against**

No data available.

**1.3 Details of the supplier of the safety data sheet****Address**einzA Farben GmbH & Co KG  
Junkersstraße 13  
30179 HannoverTelephone no. +49 (0)511 67490-0  
Fax no. +49 (0)511 67490-20  
e-mail info@einzA.com**Advice on Safety Data Sheet**

sdb\_info@umco.de

**1.4 Emergency telephone number**

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Eye Irrit. 2; H319

Flam. Liq. 2; H225

Skin Irrit. 2; H315

STOT RE 2; H373

STOT SE 3; H336

**Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS02



GHS07



GHS08

**Signal word**

Danger

**Hazardous component(s) to be indicated on label:**

n-butyl acetate

Reaction mass of xylene and ethylbenzene

**Hazard statement(s)**

H225

Highly flammable liquid and vapour.

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

H373

May cause damage to organs through prolonged or repeated exposure

**Precautionary statement(s)**

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P210

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

P260

Do not breathe vapours/spray.

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P271 Use only outdoors or in a well-ventilated area.  
 P370+P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.  
 P405 Store locked up.  
 P501 Dispose of contents/container to a facility in accordance with local and national regulations.

**2.3 Other hazards**

PBT assessment  
 The components of this product are not considered to be a PBT.  
 vPvB assessment  
 The components of this product are not considered to be a vPvB.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures****Hazardous ingredients**

No	Substance name	Classification (EC) 1272/2008 (CLP)	Additional information	
	CAS / EC / Index / REACH no		Concentration	%
1	<b>2-methoxy-1-methylethyl acetate</b>			
	108-65-6 203-603-9 607-195-00-7 01-2119475791-29	Flam. Liq. 3; H226	>= 25.00 - < 50.00	wt%
2	<b>n-butyl acetate</b>			
	123-86-4 204-658-1 607-025-00-1 01-2119485493-29	EUH066 Flam. Liq. 3; H226 STOT SE 3; H336	>= 25.00 - < 50.00	wt%
3	<b>Reaction mass of xylene and ethylbenzene</b>			
	- 905-588-0 - 01-2119539452-40	Acute Tox. 4; H312 Acute Tox. 4; H332 Asp. Tox. 1; H304 Eye Irrit. 2; H319 Flam. Liq. 3; H226 Skin Irrit. 2; H315 STOT SE 3; H335 STOT RE 2; H373	>= 10.00 - < 25.00	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

**After inhalation**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

**After skin contact**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

**After eye contact**

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

**After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

No data available.

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

No data available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

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water jet.

**5.2 Special hazards arising from the substance or mixture**In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>); Toxic pyrolysis products; Exposure to decomposition products may cause a health hazard.**5.3 Advice for firefighters**

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses. Appropriate breathing apparatus may be required.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8.

**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**

Is not allowed to be released into the sewerage or water courses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

**6.3 Methods and material for containment and cleaning up**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

**6.4 Reference to other sections**

No data available.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Advice on safe handling**

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet [sanding]/[flattening] should be used wherever possible. Avoid inhalation of dust from sanding. For personal protection see section 8.

**General protective and hygiene measures**

Avoid skin and eye contact. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

**Advice on protection against fire and explosion**

Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Comply with legal health and safety regulations; Prevent unauthorised access. Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep away from sources of ignition. No smoking.

**Requirements for storage rooms and vessels**

Always keep in containers of same material as the original one. Never use pressure to empty: container is not a pressure vessel. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Observe label precautions.

**Incompatible products**

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

**7.3 Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limit values**

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No	Substance name	CAS no.		EC no.	
1	2-methoxy-1-methylethyl acetate	108-65-6		203-603-9	
<b>List of approved workplace exposure limits (WELs) / EH40</b>					
1-Methoxypropylacetate					
	WEL short-term (15 min reference period)	548	mg/m <sup>3</sup>	100	ppm
	WEL long-term (8-hr TWA reference period)	274	mg/m <sup>3</sup>	50	ppm
	Comments	Sk			
<b>2000/39/EC</b>					
2-Methoxy-1-methylethylacetate					
	WEL short-term (15 min reference period)	550	mg/m <sup>3</sup>	100	ppm
	WEL long-term (8-hr TWA reference period)	275	mg/m <sup>3</sup>	50	ppm
	Skin resorption / sensibilisation	Skin			
2	n-butyl acetate	123-86-4		204-658-1	
<b>List of approved workplace exposure limits (WELs) / EH40</b>					
Butyl acetate					
	WEL short-term (15 min reference period)	966	mg/m <sup>3</sup>	200	ppm
	WEL long-term (8-hr TWA reference period)	724	mg/m <sup>3</sup>	150	ppm
<b>EU 2019/1831</b>					
n-Butyl acetate					
	WEL short-term (15 min reference period)	723	mg/m <sup>3</sup>	150	ppm
	WEL long-term (8-hr TWA reference period)	241	mg/m <sup>3</sup>	50	ppm

## DNEL, DMEL and PNEC values

### DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	2-methoxy-1-methylethyl acetate			<b>108-65-6</b> <b>203-603-9</b>	
	dermal	Long term (chronic)	systemic	153.5	mg/kg/day
	inhalative	Long term (chronic)	systemic	275	mg/m <sup>3</sup>
2	n-butyl acetate			<b>123-86-4</b> <b>204-658-1</b>	
	dermal	Long term (chronic)	systemic	11	mg/kg/day
	dermal	Short term (acut)	systemic	11	mg/kg/day
	inhalative	Long term (chronic)	systemic	300	mg/m <sup>3</sup>
	inhalative	Short term (acut)	systemic	600	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	300	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	600	mg/m <sup>3</sup>
3	Reaction mass of xylene and ethylbenzene			-	
	dermal	Long term (chronic)	systemic	212	mg/kg/day
	inhalative	Short term (acut)	systemic	442	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	442	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	systemic	221	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	221	mg/m <sup>3</sup>

### DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	2-methoxy-1-methylethyl acetate			<b>108-65-6</b> <b>203-603-9</b>	
	oral	Long term (chronic)	systemic	1.67	mg/kg/day
	dermal	Long term (chronic)	systemic	54.8	mg/kg/day
	inhalative	Long term (chronic)	systemic	33	mg/m <sup>3</sup>
2	n-butyl acetate			<b>123-86-4</b> <b>204-658-1</b>	
	oral	Long term (chronic)	systemic	2	mg/kg/day
	oral	Short term (acut)	systemic	2	mg/kg/day
	dermal	Long term (chronic)	systemic	6	mg/kg/day
	dermal	Short term (acut)	systemic	6	mg/kg/day
	inhalative	Long term (chronic)	systemic	35.7	mg/m <sup>3</sup>
	inhalative	Short term (acut)	systemic	300	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	35.7	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	300	mg/m <sup>3</sup>
3	Reaction mass of xylene and ethylbenzene			-	
	oral	Long term (chronic)	systemic	12.5	mg/kg/day
	dermal	Long term (chronic)	systemic	125	mg/kg/day

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inhalative	Short term (acute)	systemic	260	mg/m <sup>3</sup>
inhalative	Long term (chronic)	systemic	65.3	mg/m <sup>3</sup>
inhalative	Short term (acute)	local	260	mg/m <sup>3</sup>
inhalative	Long term (chronic)	local	65.3	mg/m <sup>3</sup>

**PNEC values**

No	Substance name	CAS / EC no
ecological compartment		Type
		Value
1	<b>2-methoxy-1-methylethyl acetate</b>	<b>108-65-6</b> <b>203-603-9</b>
	water	fresh water
		0.635 mg/L
	water	marine water
		0.0635 mg/L
	water	Aqua intermittent
		6.35 mg/L
	water	fresh water sediment
		3.29 mg/kg
	water	marine water sediment
		0.329 mg/kg
	soil	-
		0.29 mg/kg
	sewage treatment plant	-
		100 mg/L
2	<b>n-butyl acetate</b>	<b>123-86-4</b> <b>204-658-1</b>
	water	fresh water
		0.18 mg/L
	water	marine water
		0.018 mg/L
	water	Aqua intermittent
		0.36 mg/L
	water	fresh water sediment
		0.981 mg/kg dry weight
	water	marine water sediment
		0.0981 mg/kg dry weight
	soil	-
		0.0903 mg/kg
	sewage treatment plant	-
		35.6 mg/L
3	<b>Reaction mass of xylene and ethylbenzene</b>	- <b>905-588-0</b>
	water	fresh water
		0.327 mg/L
	water	marine water
		0.327 mg/L
	water	Aqua intermittent
		0.327 mg/L
	water	fresh water sediment
		12.46 mg/kg
	water	marine water sediment
		12.46 mg/kg
	soil	-
		2.31 mg/kg dry weight
	sewage treatment plant	-
		6.58 mg/L

**8.2 Exposure controls****Appropriate engineering controls**

Provide good ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

**Personal protective equipment****Respiratory protection**

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. In case of brush application: Filter A2. When applied by spraying: Filter A2P2. (DIN EN 14387)

**Eye / face protection**

Wear safety goggles to protect against splashes. Safety glasses with side protection shield (EN 166)

**Hand protection**

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	nitrile rubber		
Material thickness	>=	0.4	mm
Breakthrough time	>	480	min

**Other**

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

**Environmental exposure controls**

Do not allow to enter drains or water courses.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

State of aggregation
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liquid			
<b>Form/Colour</b>			
liquid			
amber			
<b>Odour</b>			
characteristic			
<b>pH value</b>			
No data available			
<b>Boiling point / boiling range</b>			
Value	>	100	°C
<b>Melting point/freezing point</b>			
No data available			
<b>Decomposition temperature</b>			
No data available			
<b>Flash point</b>			
Value	appr.	-17	°C
<b>Ignition temperature</b>			
No data available			
<b>Oxidising properties</b>			
Not applicable			
<b>Flammability</b>			
Not applicable			
<b>Lower explosion limit</b>			
No data available			
<b>Upper explosion limit</b>			
No data available			
<b>Vapour pressure</b>			
Value	<	1100	hPa
Reference temperature		50	°C
<b>Relative vapour density</b>			
No data available			
<b>Relative density</b>			
No data available			
<b>Density</b>			
No data available			
<b>Solubility in water</b>			
Comments	essentially insoluble		
<b>Solubility</b>			
No data available			
<b>Partition coefficient n-octanol/water (log value)</b>			
No	Substance name	CAS no.	EC no.
1	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
log Pow		1.2	
Reference temperature		20 °C	
Method		OECD 117	
Source		ECHA	
2	n-butyl acetate	123-86-4	204-658-1
log Pow		2.3	
Reference temperature		25 °C	
Method		OECD 117	
Source		ECHA	
3	Reaction mass of xylene and ethylbenzene	-	905-588-0
log Pow		3.16	
Reference temperature		20 °C	
Source		ECHA	
<b>Viscosity</b>			
Value	10 - 12 sec		
Type	Efflux time		
Method	DIN cup 4 mm		

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**Solvent separation test**

Value	<	3	%
Reference temperature		20	°C

**Particle characteristics**

No data available

**9.2 Other information****Other information**

No data available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Stable under recommended storage and handling conditions (See section 7).

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

**10.3 Possibility of hazardous reactions**

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

**10.4 Conditions to avoid**

Heat, naked flames and other ignition sources.

**10.5 Incompatible materials**

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

**10.6 Hazardous decomposition products**

None if stored, handled and transported properly. In case of fire: see section 5.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

No	Substance name	CAS no.	EC no.
1	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
LD50		8530	mg/kg bodyweight
Species	rat		
Source	ECHA		
2	n-butyl acetate	123-86-4	204-658-1
LD50		10760	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		
3	Reaction mass of xylene and ethylbenzene	-	905-588-0
LD50		3523	mg/kg bodyweight
Species	rat		
Method	EU Method B.1		
Source	ECHA		

**Acute dermal toxicity (result of the ATE calculation for the mixture)**

No	Product Name
1	einzA silicon Grundfestiger
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE dermal > 2000 mg/kg).

**Acute dermal toxicity**

No	Substance name	CAS no.	EC no.
1	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		
2	n-butyl acetate	123-86-4	204-658-1
LD50	>	14112	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		

**Acute inhalational toxicity (result of the ATE calculation for the mixture)**

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No	Product Name		
1	einZA silicon Grundfestiger		
Comments		The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists)).	
<b>Acute inhalational toxicity</b>			
No data available			
<b>Skin corrosion/irritation</b>			
No	Substance name	CAS no.	EC no.
1	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
Species		rabbit	
Method		OECD 404	
Source		ECHA	
Evaluation		non-irritant	
2	n-butyl acetate	123-86-4	204-658-1
Species		rabbit	
Method		OECD 404	
Source		ECHA	
Evaluation		non-irritant	
<b>Serious eye damage/irritation</b>			
No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		non-irritant	
<b>Respiratory or skin sensitisation</b>			
No data available			
<b>Germ cell mutagenicity</b>			
No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Reaction mass of xylene and ethylbenzene	-	905-588-0
Species		Chinese hamster Ovary (CHO)	
Method		EU Method B.10	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
<b>Reproduction toxicity</b>			
No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
<b>Carcinogenicity</b>			
No	Substance name	CAS no.	EC no.
1	Reaction mass of xylene and ethylbenzene	-	905-588-0
Species		rats (male/female)	
Method		EU Method B.32	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
<b>STOT - single exposure</b>			
No data available			
<b>STOT - repeated exposure</b>			
No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
Route of exposure		inhalational	
NOAEC		500	ppm
Duration of exposure		90	day(s)
Species		rat	
Method		EPA OTS 798.2450	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
<b>Aspiration hazard</b>			



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No data available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Ingestion may cause nausea, diarrhoea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

**11.2 Information on other hazards****Endocrine disrupting properties**

No data available.

**Other information**

No data available.

**SECTION 12: Ecological information****12.1 Toxicity**

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
LC50		18	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	OECD 203		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

**Toxicity to fish (chronic)**

No data available

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
EC50		44	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

**Toxicity to Daphnia (chronic)**

No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
NOEC		23	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
with reference to	CAS 110-19-0		
Method	OECD 211		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

**Toxicity to algae (acute)**

No data available

**Toxicity to algae (chronic)**

No data available

**Bacteria toxicity**

No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
IC50		356	mg/l
Duration of exposure		40	h
Species	Tetrahymina pyriformis (Protozoa)		
Source	ECHA		

**12.2 Persistence and degradability****Biodegradability**

No	Substance name	CAS no.	EC no.
1	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
Type	aerobic biodegradation		

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Value		90	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		
<b>2</b>	<b>n-butyl acetate</b>	<b>123-86-4</b>	<b>204-658-1</b>
Type	aerobic biodegradation		
Value		83	%
Duration		28	day(s)
Method	OECD 301 D		
Source	ECHA		
Evaluation	readily biodegradable		
<b>Abiotic Degradation</b>			
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>	<b>EC no.</b>
<b>1</b>	<b>n-butyl acetate</b>	<b>123-86-4</b>	<b>204-658-1</b>
Type	Photolysis		
Half-life		3.3	day(s)
Reference temperature		25	°C
Source	ECHA		

### 12.3 Bioaccumulative potential

<b>Bioconcentration factor (BCF)</b>			
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>	<b>EC no.</b>
<b>1</b>	<b>n-butyl acetate</b>	<b>123-86-4</b>	<b>204-658-1</b>
BCF		15.3	
Method	Calculation model used (Q)SAR		
Source	ECHA		
<b>Partition coefficient n-octanol/water (log value)</b>			
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>	<b>EC no.</b>
<b>1</b>	<b>2-methoxy-1-methylethyl acetate</b>	<b>108-65-6</b>	<b>203-603-9</b>
log Pow		1.2	
Reference temperature		20	°C
Method	OECD 117		
Source	ECHA		
<b>2</b>	<b>n-butyl acetate</b>	<b>123-86-4</b>	<b>204-658-1</b>
log Pow		2.3	
Reference temperature		25	°C
Method	OECD 117		
Source	ECHA		
<b>3</b>	<b>Reaction mass of xylene and ethylbenzene</b>	<b>-</b>	<b>905-588-0</b>
log Pow		3.16	
Reference temperature		20	°C
Source	ECHA		

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

<b>Results of PBT and vPvB assessment</b>	
PBT assessment	The components of this product are not considered to be a PBT.
vPvB assessment	The components of this product are not considered to be a vPvB.

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other adverse effects

No data available.

### 12.8 Other information

<b>Other information</b>
Do not allow to enter drains or water courses.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste code 08 01 11\* waste paint and varnish containing organic solvents or other hazardous substances  
 The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.  
 Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local

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authority and the disposal company in an authorised and suitable disposal facility.

**Packaging**

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer. Empty containers must be scrapped or reconditioned.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

Class	3
Classification code	F1
Packing group	II
Hazard identification no.	33
UN number	UN1263
Proper shipping name	PAINT
Special Provision 640	640D
Tunnel restriction code	D/E
Label	3

### 14.2 Transport IMDG

Class	3
Packing group	II
UN number	UN1263
Proper shipping name	PAINT
EmS	F-E, S-E
Label	3

### 14.3 Transport ICAO-TI / IATA

Class	3
Packing group	II
UN number	UN1263
Proper shipping name	Paint
Label	3

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user

Transport within the user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### 14.7 Maritime transport in bulk according to IMO instruments

Not relevant

## SECTION 15: Regulatory information

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

#### EU regulations

**Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is subject to Part I of Annex I, risk category: P5b

**Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)**

VOC-value	739	g/l
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#### National regulations

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#### Other national regulations

Adhere to national regulations for proper handling and use of hazardous materials. Use appropriate personal protective equipment.

#### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

### SECTION 16: Other information

#### Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

#### Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

EUH066	Repeated exposure may cause skin dryness or cracking.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

#### Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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