

**Trade name:** einzA mix Lawidur sgl 2K-PU-Buntlack2010, Basis 2 Stammlack

**Product no.:** 0071312

**Current version :** 1.3.2, issued: 19.05.2020

**Replaced version:** 1.3.1, issued: 20.02.2020

**Region:** GB

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

### 1.1 Product identifier

Trade name

**einzA mix Lawidur sgl 2K-PU-Buntlack2010, Basis 2 Stammlack**

**einzA mix Lawidur sgl 2K-PU-Buntlack, Basis 2 Stammlack**

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

**Relevant identified uses of the substance or mixture**

decorative paints/finishes

**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 Hannover

Telephone 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)**

Aquatic Chronic 3; H412

Flam. Liq. 3; H226

STOT SE 3; H335

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

**Signal word**

Warning

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

Hydrocarbons, C9, aromatics

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### Hazard statement(s)

H226 Flammable liquid and vapour.  
 H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 H412 Harmful to aquatic life with long lasting effects.

### Hazard statements (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

### 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.  
 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	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	<b>Hydrocarbons, C9, aromatics</b>		
	64742-95-6 918-668-5 - 01-2119455851-35	Flam. Liq. 3; H226 STOT SE 3; H335 STOT SE 3; H336 Aquatic Chronic 2; H411 Asp. Tox. 1; H304 EUH066	>= 10.00 - < 25.00 %-b.w.
2	<b>2-ethoxy-1-methylethyl acetate</b>		
	54839-24-6 259-370-9 603-177-00-8 01-2119475116-39	Flam. Liq. 3; H226 STOT SE 3; H336	>= 5.00 - < 10.00 %-b.w.
3	<b>2-methoxy-1-methylethyl acetate</b>		
	108-65-6 203-603-9 607-195-00-7 01-2119475791-29	Flam. Liq. 3; H226 STOT SE 3; H336	>= 5.00 - < 10.00 %-b.w.
4	<b>xylene</b>		
	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32	STOT RE 2; H373 Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335	< 5.00 %-b.w.

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		Acute Tox. 4; H332		
5	<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	< 2.50	%-b.w.

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

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
4	C	STOT RE 2; H373: C >= 10%	-	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

## 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

#### Suitable extinguishing media

Alcohol resistant foam, CO<sub>2</sub>, powders, water spray

#### Unsuitable extinguishing media

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

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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**

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		

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	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			
<b>2</b>	<b>xylene</b>	<b>1330-20-7</b>		<b>215-535-7</b>	
<b>2000/39/EC</b>					
Xylene, mixed isomers, pure					
	WEL short-term (15 min reference period)	442	mg/m <sup>3</sup>	100	ppm
	WEL long-term (8-hr TWA reference period)	221	mg/m <sup>3</sup>	50	ppm
	Skin resorption / sensibilisation	Skin			
<b>List of approved workplace exposure limits (WELs) / EH40</b>					
Xylene, o-, m-, p- or mixed isomers					
	WEL short-term (15 min reference period)	441	mg/m <sup>3</sup>	100	ppm
	WEL long-term (8-hr TWA reference period)	220	mg/m <sup>3</sup>	50	ppm
	Comments	Sk, BMGV			
<b>3</b>	<b>n-butyl acetate</b>	<b>123-86-4</b>		<b>204-658-1</b>	
<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	<b>Hydrocarbons, C9, aromatics</b>			<b>64742-95-6</b>	
				<b>918-668-5</b>	
	dermal	Long term (chronic)	systemic	25	mg/kg/day
	inhalative	Long term (chronic)	systemic	150	mg/m <sup>3</sup>
2	<b>2-ethoxy-1-methylethyl acetate</b>			<b>54839-24-6</b>	
				<b>259-370-9</b>	
	dermal	Long term (chronic)	systemic	103	mg/kg/day
	inhalative	Long term (chronic)	systemic	302	mg/m <sup>3</sup>
	inhalative	Short term (acut)	systemic	608	mg/m <sup>3</sup>
3	<b>2-methoxy-1-methylethyl acetate</b>			<b>108-65-6</b>	
				<b>203-603-9</b>	
	dermal	Long term (chronic)	systemic	796	mg/kg/day
	inhalative	Long term (chronic)	systemic	275	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	550	mg/m <sup>3</sup>
4	<b>xylene</b>			<b>1330-20-7</b>	
				<b>215-535-7</b>	
	dermal	Long term (chronic)		180	mg/kg/day
	inhalative	Short term (acut)		289	mg/m <sup>3</sup>
	inhalative	Long term (chronic)		77	mg/m <sup>3</sup>
5	<b>n-butyl acetate</b>			<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>

# EC safety data sheet



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inhalative	Short term (acut)	local	600	mg/m <sup>3</sup>
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## DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	<b>Hydrocarbons, C9, aromatics</b>			<b>64742-95-6</b> <b>918-668-5</b>	
	oral	Long term (chronic)	systemic	11	mg/kg/day
	dermal	Long term (chronic)	systemic	11	mg/kg/day
	inhalative	Long term (chronic)	systemic	32	mg/m <sup>3</sup>
2	<b>2-ethoxy-1-methylethyl acetate</b>			<b>54839-24-6</b> <b>259-370-9</b>	
	oral	Long term (chronic)	systemic	13.1	mg/kg/day
	dermal	Long term (chronic)	systemic	62	mg/kg/day
	inhalative	Long term (chronic)	systemic	181	mg/m <sup>3</sup>
	inhalative	Short term (acut)	systemic	365	mg/m <sup>3</sup>
3	<b>2-methoxy-1-methylethyl acetate</b>			<b>108-65-6</b> <b>203-603-9</b>	
	oral	Long term (chronic)	systemic	36	mg/kg/day
	oral	Short term (acut)	systemic	500	mg/kg/day
	dermal	Long term (chronic)	systemic	320	mg/kg/day
	inhalative	Long term (chronic)	systemic	33	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	33	mg/m <sup>3</sup>
4	<b>xylene</b>			<b>1330-20-7</b> <b>215-535-7</b>	
	oral	Long term (chronic)		1.6	mg/kg/day
	dermal	Long term (chronic)		108	mg/kg/day
	inhalative	Short term (acut)		174	mg/m <sup>3</sup>
	inhalative	Long term (chronic)		14.8	mg/m <sup>3</sup>
5	<b>n-butyl acetate</b>			<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>

## PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	<b>2-ethoxy-1-methylethyl acetate</b>		<b>54839-24-6</b> <b>259-370-9</b>	
	water	fresh water	2	mg/L
	water	marine water	0.2	mg/L
	water	Aqua intermittent	2	mg/L
	water	fresh water sediment	8.2	mg/kg dry weight
	water	marine water sediment	0.82	mg/kg dry weight
	soil	-	0.67	mg/kg
	sewage treatment plant	-	62.5	mg/L
	secondary poisoning	-	117	mg/kg food
2	<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	0.064	mg/L
	water	fresh water sediment	3.29	mg/kg
	with reference to: dry weight			

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	water	marine water sediment	0.329	mg/kg
	with reference to: dry weight			
	soil	-	0.29	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	100	mg/L
3	<b>xylene</b>		<b>1330-20-7 215-535-7</b>	
	water	fresh water	0.327	mg/L
	water	marine water	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
	sewage treatment plant	-	6.58	mg/L
4	<b>n-butyl acetate</b>		<b>123-86-4 204-658-1</b>	
	water	fresh water	0.18	mg/L
	water	marine water	0.018	mg/L
	water	Aqua intermitt	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

## 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 In case of short-term contact / splash protection: nitrile rubber

Material thickness > 0.4 mm

Breakthrough time > 120 min

Appropriate Material In case of prolonged exposure: 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.

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**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

<b>Form/Colour</b>	
liquid	
according to product name	
<b>Odour</b>	
of solvents	
<b>Odour threshold</b>	
No data available	
<b>pH value</b>	
No data available	
<b>Boiling point / boiling range</b>	
Value	> 120 °C
Reference substance	solvent mixture
<b>Melting point / melting range</b>	
No data available	
<b>Decomposition point / decomposition range</b>	
No data available	
<b>Flash point</b>	
Value	40 - 42 °C
Method	closed cup
<b>Ignition temperature</b>	
Value	> 200 °C
Reference substance	solvent mixture
<b>Auto-ignition temperature</b>	
No data available	
<b>Oxidising properties</b>	
Not applicable	
<b>Explosive properties</b>	
No data available	
<b>Flammability (solid, gas)</b>	
Not applicable	
<b>Lower flammability or explosive limits</b>	
Value	> 0.6 % vol
Reference substance	solvent mixture
<b>Upper flammability or explosive limits</b>	
Value	< 7.5 % vol
Reference substance	solvent mixture
<b>Vapour pressure</b>	
Value	< 100 hPa
Reference temperature	50 °C
Reference substance	solvent mixture
<b>Vapour density</b>	
No data available	
<b>Evaporation rate</b>	
No data available	
<b>Relative density</b>	
No data available	

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Density			
Value	1.09 - 1.20	g/cm <sup>3</sup>	
Reference temperature	20	°C	
Method	DIN 51757		
Solubility in water			
Comments	immiscible		
Solubility(ies)			
No data available			
Partition coefficient: n-octanol/water			
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	xylene	1330-20-7	215-535-7
log Pow		3.12	
Reference temperature		20	°C
Source	ECHA		
3	n-butyl acetate	123-86-4	204-658-1
log Pow		2.3	
Reference temperature		25	°C
Method	OECD 117		
Source	ECHA		
Viscosity			
Value	50 - 55	sec	
Reference temperature	20	°C	
Method	DIN EN 2431 (6 mm)		
Solvent separation test			
Value	<	3	%
Reference temperature		20	°C

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 toxicological effects

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Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
LD50	>	3492	mg/kg bodyweight
Species	rat		
Source	ECHA		
2	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
LD50	>	5000	mg/kg bodyweight
Species	rat		
Source	ECHA		
3	xylene	1330-20-7	215-535-7
LD50	>	3523	mg/kg bodyweight
Species	rat		
Method	EU Method B.1		
Source	ECHA		
4	n-butyl acetate	123-86-4	204-658-1
LD50	>	10760	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		

Acute dermal toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	einzA mix Lawidur sgl 2K-PU-Buntlack2010, Basis 2 Stammlack einzA mix Lawidur sgl 2K-PU-Buntlack, Basis 2 Stammlack
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	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
LD50	>	3160	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
2	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		
3	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)	
No	Product Name
1	einzA mix Lawidur sgl 2K-PU-Buntlack2010, Basis 2 Stammlack einzA mix Lawidur sgl 2K-PU-Buntlack, Basis 2 Stammlack
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

# EC safety data sheet



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	respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).
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Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
LC50	>	6.193	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	xylene	1330-20-7	215-535-7
LC50		6700	ppmV
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	EU Method B.2		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	low-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
3	n-butyl acetate	123-86-4	204-658-1
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
2	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
3	n-butyl acetate	123-86-4	204-658-1
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
Route of exposure	Skin		

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Species	guinea pig
Method	OECD 406
Source	ECHA
Evaluation	non-sensitizing
<b>2</b>	<b>2-methoxy-1-methylethyl acetate</b> <b>108-65-6</b> <b>203-603-9</b>
Route of exposure	Skin
Species	guinea pig
Method	OECD 406
Source	ECHA
Evaluation	non-sensitizing

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Hydrocarbons, C9, aromatics</b>	<b>64742-95-6</b>	<b>918-668-5</b>
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>2</b>	<b>xylene</b>	<b>1330-20-7</b>	<b>215-535-7</b>
Species	Chinese hamster Ovary (CHO)		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>3</b>	<b>n-butyl acetate</b>	<b>123-86-4</b>	<b>204-658-1</b>
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Hydrocarbons, C9, aromatics</b>	<b>64742-95-6</b>	<b>918-668-5</b>
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>2</b>	<b>n-butyl acetate</b>	<b>123-86-4</b>	<b>204-658-1</b>
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>xylene</b>	<b>1330-20-7</b>	<b>215-535-7</b>
Species	mouse		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

STOT - single exposure
No data available

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>n-butyl acetate</b>	<b>123-86-4</b>	<b>204-658-1</b>
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.		

Aspiration hazard
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

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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.

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
LL50		9.2	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
2	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
LC50	100	- 180	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
3	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	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
EL50		3.2	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	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	Substance name	CAS no.	EC no.

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1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
EL50		2.9	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
2	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
EC50		> 1000	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		

**Toxicity to algae (chronic)**

No data available

**Bacteria toxicity**

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
EC50		> 99	mg/l
Duration of exposure		10	min
Species	activated sludge		
Method	OECD 209		
Source	ECHA		
2	n-butyl acetate	123-86-4	204-658-1
IC50		356	mg/l
Duration of exposure		40	h
Species	Tetrahymena pyriformis (Protozoa)		
Source	ECHA		

**12.2 Persistence and degradability**

**Biodegradability**

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
Type	BSB		
Value		78	%
Duration		28	d
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		
2	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
Type	aerobic biodegradation		
Value		90	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		
3	n-butyl acetate	123-86-4	204-658-1
Type	aerobic biodegradation		
Value		83	%
Duration		28	day(s)
Method	OECD 301 D		
Source	ECHA		
Evaluation	readily biodegradable		

**Abiotic Degradation**

No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
Type	Photolysis		
Half-life		3.3	day(s)
Reference temperature		25	°C
Source	ECHA		

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**12.3 Bioaccumulative potential**

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
BCF		15.3	
Method		Calculation model used (Q)SAR	
Source		ECHA	
Partition coefficient: n-octanol/water			
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	xylene	1330-20-7	215-535-7
log Pow		3.12	
Reference temperature		20 °C	
Source		ECHA	
3	n-butyl acetate	123-86-4	204-658-1
log Pow		2.3	
Reference temperature		25 °C	
Method		OECD 117	
Source		ECHA	

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

Results of PBT and vPvB assessment	
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 Other adverse effects**

No data available.

**12.7 Other information**

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

**Packaging**

Residuals 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 III

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Hazard identification no.	30
UN number	UN1263
Proper shipping name	PAINT
Tunnel restriction code	D/E
Label	3
Comments	Containers with a capacity <= 450 ltrs are not subject to ADR-regulations (refer to 2.2.3.1.5.)

#### 14.2 Transport IMDG

Class	3
Packing group	III
UN number	UN1263
Proper shipping name	PAINT
EmS	F-E+S-E
Label	3
Comments	Containers with a capacity <= 450 ltrs are not subjected to IMDG regulations, chapter 4.1, 5.2 and 6.1 (see IMDG-Code 2.3.2.5)

#### 14.3 Transport ICAO-TI / IATA

Class	3
Packing group	III
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 Transport in bulk according to Annex II of Marpol and the IBC Code

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, PREPARATIONS AND ARTICLES**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on 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: P5c

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

VOC content	42.35 %
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##### **Directive 2004/42/CE on the limitation of emissions of volatile organic compounds due to the use of organic**

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## solvents in certain paints and varnishes and vehicle refinishing products

relevant VOC limit value as referred to in Annex II of Directive 2004/42/CE , Cat. : j, type: lb = 500 g/l  
Max. VOC content (limit value) of the product in its ready for use condition = < 500 g/l

### National regulations

#### 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 chapter.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

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)

H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects.

### Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

C Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

### Department issuing 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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