



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

### **1.1 Product identifier**

**Trade name: TOUCH-UP PAINT**

**UFI: 3300-V0PS-5009-GEC0**

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

**Application of the substance / the mixture** Lacquer

### **1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

**Prefa Aluminiumprodukte GmbH**

Werkstraße 1

3182 Marktl/Lilienfeld

Austria

T: +43 2762 502 0

Email: office.at@prefa.com

**Further information obtainable from:**

External:

Jörg Schölzel

Email: info@farben-senner.de

### **1.4 Emergency telephone number:**

+43 2762 502 0

Available during office hours:

Monday - Thursday: 07:00 - 12.00, 13:00 - 17:00 h

Friday: 07:00 - 13:00 h

National Poisons Information Centre: +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)

Healthcare Professionals: +353 (1) 809 2566 (24 hour service)

## **\* SECTION 2: Hazards identification**

### **2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 3 H226 Flammable liquid and vapour.

STOT SE 3 H336 May cause drowsiness or dizziness.

**Additional information:** For the wording of the hazard categories, see section 16.

### **2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

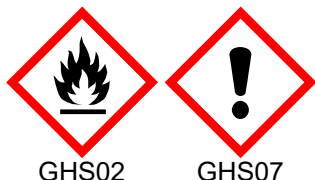
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**Hazard pictograms**



**Signal word** Warning

**Hazard-determining components of labelling:**

n-butyl acetate  
2-methoxy-1-methylethyl acetate  
Hydrocarbons, C9, aromatics

**Hazard statements**

H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.

**Precautionary statements**

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.  
P261 Avoid breathing mist/vapours/spray.  
P280 Wear protective gloves.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.  
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** No data available.

**vPvB:** No data available.

**Determination of endocrine-disrupting properties**

The product does not contain substances with endocrine disrupting properties.

\* **SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

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**Dangerous components:**

[% (w/w)]

CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29-XXXX	n-butyl acetate Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	25 – 50%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	2.5 – < 10%
CAS: 112-07-2 EINECS: 203-933-3 Index number: 607-038-00-2 Reg.nr.: 01-2119475112-47-XXXX	2-butoxyethyl acetate Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	1 – < 2.5%
EC number: 918-668-5 Index number: 649-356-00-4 Reg.nr.: 01-2119455851-35-XXXX	Hydrocarbons, C9, aromatics Alternative CAS number: 64742-95-6 Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336 EUH066	1 – < 2.5%
CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2 Reg.nr.: 01-2119489379-17-XXXX	titanium dioxide Carc. 2, H351	≥ 0%

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:**

In case of discomfort or doubt, seek medical advice.

If unconscious, use a stable lateral position and do not administer anything through mouth.

Immediately remove any clothing soiled by the product.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

Wash with plenty of soap and water.

Seek medical treatment in case of complaints.

**After eye contact:**

Rinse opened eye for several minutes under running water.

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Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical treatment.

**After swallowing:**

Rinse mouth.

Do NOT induce vomiting.

Call a doctor immediately.

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

No further relevant information available.

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

Depending on the condition of the patients, the doctor must assess the symptoms and the overall general condition.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

**Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

### **5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

CO<sub>x</sub>

### **5.3 Advice for firefighters**

**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**Additional information** Cool endangered receptacles with water spray.

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Restricted access to the affected area until cleaning work is completed.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid contact with skin and eyes.

Do not breathe vapour/spray.

Keep away from ignition sources.

### **6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

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

Absorb with liquid-binding, inert material (sand, diatomite, acid binders, universal binders).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

### **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Keep receptacles tightly sealed.

Prevent formation of aerosols.

Avoid contact with skin and eyes.

Avoid breathing mist/vapours/spray.

Use personal protective equipment as required.

Observe protective measures and safety instructions.

### **Information about fire - and explosion protection:**

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

Protect against electrostatic charges.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage:**

#### **Requirements to be met by storerooms and receptacles:**

Store in a dry, cool, well-ventilated area.

Store in accordance with local/regional/national/international regulations.

**Information about storage in one common storage facility:** Store away from foodstuffs.

**Further information about storage conditions:** Keep container tightly sealed.

**Recommended storage temperature:** room temperature

**Storage class:** 3

**7.3 Specific end use(s)** No further relevant information available.

## **\* SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **Ingredients with limit values that require monitoring at the workplace:**

##### **CAS: 123-86-4 n-butyl acetate**

OEL	Short-term value: 723 mg/m <sup>3</sup> , 150 ppm
	Long-term value: 241 mg/m <sup>3</sup> , 50 ppm
	IOELV

##### **CAS: 108-65-6 2-methoxy-1-methylethyl acetate**

OEL	Short-term value: 550 mg/m <sup>3</sup> , 100 ppm
	Long-term value: 275 mg/m <sup>3</sup> , 50 ppm
	Sk, IOELV

##### **CAS: 112-07-2 2-butoxyethyl acetate**

OEL	Short-term value: 333 mg/m <sup>3</sup> , 50 ppm
	Long-term value: 133 mg/m <sup>3</sup> , 20 ppm
	Sk, IOELV

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### CAS: 13463-67-7 titanium dioxide

OEL Long-term value:  $10^{-4}$  mg/m<sup>3</sup>  
\*total inhalable \*\*respirable dust

**Regulatory information** OEL: 2021 CoP for the Safety, Health and Welfare at Work

### DNELs

#### CAS: 123-86-4 n-butyl acetate

Oral	Long-term exposure - systemic effects	2 mg/kg bw/d (consumer)
Dermal	Long-term exposure - systemic effects	6 mg/kg bw/d (consumer) 11 mg/kg bw/d (workers)
	short-term exposure - systemic effects	6 mg/kg bw (consumer) 11 mg/kg bw (workers)
Inhalative	Long-term exposure - systemic effects	35.7 mg/m <sup>3</sup> (consumer) 300 mg/m <sup>3</sup> (workers)
	Long-term exposure - local effects	35.7 mg/m <sup>3</sup> (consumer) 300 mg/m <sup>3</sup> (workers)
	short-term exposure - systemic effects	300 mg/m <sup>3</sup> (consumer) 600 mg/m <sup>3</sup> (workers)
	short-term exposure - local effects	300 mg/m <sup>3</sup> (consumer) 600 mg/m <sup>3</sup> (workers)

#### CAS: 108-65-6 2-methoxy-1-methylethyl acetate

Oral	Long-term exposure - systemic effects	36 mg/kg bw/d (consumer)
Dermal	Long-term exposure - systemic effects	320 mg/kg bw/d (consumer) 796 mg/kg bw/d (workers)
Inhalative	Long-term exposure - systemic effects	33 mg/m <sup>3</sup> (consumer) 275 mg/m <sup>3</sup> (workers)
	Long-term exposure - local effects	33 mg/m <sup>3</sup> (consumer) 550 mg/m <sup>3</sup> (workers)

#### CAS: 112-07-2 2-butoxyethyl acetate

Oral	Long-term exposure - systemic effects	8.6 mg/kg bw/d (consumer)
	short-term exposure - systemic effects	36 mg/kg bw (consumer)
Dermal	Long-term exposure - systemic effects	102 mg/kg bw/d (consumer) 169 mg/kg bw/d (workers)
	short-term exposure - systemic effects	72 mg/kg bw (consumer) 120 mg/kg bw (workers)
Inhalative	Long-term exposure - systemic effects	80 mg/m <sup>3</sup> (consumer) 133 mg/m <sup>3</sup> (workers)
	short-term exposure - local effects	200 mg/m <sup>3</sup> (consumer)

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		333 mg/m <sup>3</sup> (workers)
<b>Hydrocarbons, C9, aromatics</b>		
Oral	Long-term exposure - systemic effects	7.5 mg/kg bw/d (consumer)
Dermal	Long-term exposure - systemic effects	7.5 mg/kg bw/d (consumer) 12.5 mg/kg bw/d (workers)
Inhalative	Long-term exposure - systemic effects	32 mg/m <sup>3</sup> (consumer) 151 mg/m <sup>3</sup> (workers)
<b>CAS: 13463-67-7 titanium dioxide</b>		
Inhalative	Long-term exposure - local effects	0.21 mg/m <sup>3</sup> (consumer) 1.25 mg/m <sup>3</sup> (workers)
<b>PNECs</b>		
<b>CAS: 123-86-4 n-butyl acetate</b>		
fresh water		0.18 mg/l
sea water		0.018 mg/l
intermittent release (fresh water)		0.36 mg/l
STP		35.6 mg/l
sediment (fresh water)		0.981 mg/kg dw
sediment (sea water)		0.098 mg/kg dw
soil		0.09 mg/kg dw
<b>CAS: 108-65-6 2-methoxy-1-methylethyl acetate</b>		
fresh water		0.635 mg/l
sea water		0.064 mg/l
STP		100 mg/l
sediment (fresh water)		3.29 mg/kg dw
sediment (sea water)		0.329 mg/kg dw
soil		0.29 mg/kg dw
<b>CAS: 112-07-2 2-butoxyethyl acetate</b>		
fresh water		0.304 mg/l
sea water		0.03 mg/l
intermittent release (fresh water)		0.56 mg/l
STP		90 mg/l
sediment (fresh water)		2.03 mg/kg dw
sediment (sea water)		0.203 mg/kg dw
soil		0.415 mg/kg dw
oral		60 mg/kg food
<b>CAS: 13463-67-7 titanium dioxide</b>		
fresh water		0.127 mg/l

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sea water	1 mg/l
STP	100 mg/l
sediment (fresh water)	1,000 mg/kg dw
sediment (sea water)	100 mg/kg dw
soil	100 mg/kg dw

**Additional information:** The lists valid during the making were used as basis.

## 8.2 Exposure controls

### Appropriate engineering controls

No further data; see section 7.

Technical measures and the use of suitable working methods take priority over the use of personal protective equipment.

### Individual protection measures, such as personal protective equipment

#### General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Do not eat or drink while working.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Avoid breathing mist/vapours/spray.

Ensure good ventilation/exhaustion at the workplace.

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

#### Respiratory protection:

Normally not required.

Use suitable respiratory protective device in case of insufficient ventilation.

#### Hand protection



Protective gloves

EN 374

The glove material has to be impermeable and resistant to the product/ the substance/ the mixture.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

#### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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**Eye/face protection**



Tightly sealed goggles

EN 166

**Body protection:** Protective work clothing

**Environmental exposure controls** Do not allow to enter sewers/ surface or ground water.

\* **SECTION 9: Physical and chemical properties**

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

**General Information**

**Physical state**

Fluid

**Colour:**

According to product specification

**Odour:**

Characteristic

**Odour threshold:**

No information available.

**Melting point/freezing point:**

No information available.

**Boiling point or initial boiling point and boiling range**

124 – 128 °C

**Flammability**

Flammable.

**Lower and upper explosion limit**

**Lower:**

1.2 Vol %

**Upper:**

7.5 Vol %

**Flash point:**

26 °C (DIN 53213)

**Decomposition temperature:**

No information available.

**pH**

Not determined.

**Viscosity:**

**Kinematic viscosity at 20 °C**

100 – 150 s (DIN 53211/4)

**Dynamic:**

No information available.

**Solubility**

**water:**

123-86-4	n-butyl acetate	5,3 g/l
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**Partition coefficient n-octanol/water (log value)**

123-86-4	n-butyl acetate	2,3 log Kow
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108-65-6	2-methoxy-1-methylethyl acetate	1,2 log Kow
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**Vapour pressure at 20 °C:** ≤ 10.7 hPa (CAS: 123-86-4 n-butyl acetate)

**Density and/or relative density**

**Density at 20 °C:**

1.031 g/cm<sup>3</sup> (DIN 53217)

**Relative density**

Not determined.

**Vapour density**

No information available.

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**9.2 Other information**

**Appearance:**

**Form:** Fluid

**Important information on protection of health and environment, and on safety.**

**Ignition temperature:** 315 °C (DIN 51794)

**Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

**Solvent content:**

**VOC (EC)** 51.64 %

**Solids content:** 48.4 %

**Change in condition**

**Softening point/range**

**Oxidising properties** No information available.

**Evaporation rate** No information available.

**Information with regard to physical hazard classes**

**Explosives** void

**Flammable gases** void

**Aerosols** void

**Oxidising gases** void

**Gases under pressure** void

**Flammable liquids** Flammable liquid and vapour.

**Flammable solids** void

**Self-reactive substances and mixtures** void

**Pyrophoric liquids** void

**Pyrophoric solids** void

**Self-heating substances and mixtures** void

**Substances and mixtures, which emit flammable**

**gases in contact with water** void

**Oxidising liquids** void

**Oxidising solids** void

**Organic peroxides** void

**Corrosive to metals** void

**Desensitised explosives** void

**SECTION 10: Stability and reactivity**

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability** No decomposition if used and stored according to specifications.

**10.3 Possibility of hazardous reactions** Reacts with acids, alkalis and oxidising agents.

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:**

Acids, alkalis

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oxidizing agent

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**\* SECTION 11: Toxicological information**

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

**Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values relevant for classification:**

**ATE (Acute Toxicity Estimates)**

Oral	LD50	> 64,000 – 300,000 mg/kg (rat)
Dermal	LD50	> 63,200 – 158,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	> 440 – 1,100 mg/l

**CAS: 123-86-4 n-butyl acetate**

Oral	LD50	10,760 mg/kg (rat)
Dermal	LD50	14,000 mg/kg (Rabbit)
Inhalative	LC50/4h	23.4 mg/l (rat)

**CAS: 108-65-6 2-methoxy-1-methylethyl acetate**

Oral	LD50	8,532 mg/kg (rat)
Inhalative	LC50/4 h	35.7 mg/l (rat)

**CAS: 112-07-2 2-butoxyethyl acetate**

Oral	LD50	1,600 – 3,000 mg/kg (rat)
Dermal	LD50	1,580 mg/kg (Rabbit)

**Hydrocarbons, C9, aromatics**

Oral	LD50	3,592 mg/kg (rat)
Dermal	LD50	> 3,160 mg/kg (Rabbit)

**CAS: 13463-67-7 titanium dioxide**

Oral	LD50	> 5,000 mg/kg (rat)
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**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** May cause drowsiness or dizziness.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

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### Subacute to chronic toxicity:

#### CAS: 123-86-4 n-butyl acetate

Inhalative	NOEC	2,400 mg/m <sup>3</sup> (rat) (EPA OTS 798.2450)
		subchronic

### Other information:

#### Repeated dose toxicity

#### CAS: 13463-67-7 titanium dioxide

Oral	NOAEL	24,000 mg/kg bw/d (rat) (OECD 407)
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### 11.2 Information on other hazards

#### Endocrine disrupting properties

None of the ingredients is listed.

## \* SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

#### CAS: 123-86-4 n-butyl acetate

EC50 (48 h)	44 mg/l (daphnia)
LC50 (96 h)	18 mg/l (fish) (Pimephales promelas)
NOEC (72 h)	200 mg/l (algae) (Desmodesmus subspicatus)
NOEC (21 d)	23 mg/l (dao) (Daphnia magna)

#### CAS: 108-65-6 2-methoxy-1-methylethyl acetate

EC50 (48 h)	> 500 mg/l (daphnia)
LC50 (96 h)	180 mg/l (fish)
NOEC (14 d)	47.5 mg/l (fish)
ErC50 (96 h)	> 1,000 mg/l (algae)

#### Hydrocarbons, C9, aromatics

EC50 (48 h)	3.2 mg/l (daphnia) (Daphnia magna)
	OECD 202
LL50 (96 h)	9.2 mg/l (fish) (Onchorhynchus mykiss)

#### CAS: 13463-67-7 titanium dioxide

EC50 (72 h)	62 mg/l (algae) (Pseudokirchneriella subcapitata)
	> 1,000 mg/l (daphnia) (Daphnia magna)
LC50 (96 h)	> 1,000 mg/l (fish) (Pimephales promelas)

### 12.2 Persistence and degradability

123-86-4	n-butyl acetate	83 % (28 d)
108-65-6	2-methoxy-1-methylethyl acetate	99 % (28 d)

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112-07-2	2-butoxyethyl acetate	>70 % (28 d)
	Hydrocarbons, C9, aromatics	78 % (28 d)

### 12.3 Bioaccumulative potential

123-86-4	n-butyl acetate	2,3 log Kow
108-65-6	2-methoxy-1-methylethyl acetate	1,2 log Kow

### Bioconcentration factor (BCF)

**CAS: 123-86-4 n-butyl acetate**

BCF 15.3

**12.4 Mobility in soil** No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

**PBT:** No data available.

**vPvB:** No data available.

### 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### 12.7 Other adverse effects

**Additional ecological information:**

#### General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Only dispose of product residues via authorised companies according to local legislation.

#### European waste catalogue

Notes: The European Waste Catalogue (EWC) classifies waste materials and categorises them according to what they are and how they were produced. This may cause other classifications. The final decision belongs to the last user.

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
HP3	Flammable
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP7	Carcinogenic

#### Uncleaned packaging:

##### Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

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### SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN, IMDG, IATA

UN1263

14.2 UN proper shipping name

ADR/RID/ADN

1263 PAINT

IMDG, IATA

PAINT

14.3 Transport hazard class(es)

ADR/RID/ADN, IMDG, IATA



Class

3 Flammable liquids.

Label

3

14.4 Packing group

ADR/RID/ADN, IMDG, IATA

III

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Warning: Flammable liquids.

Hazard identification number (Kemler code):

30

EMS Number:

F-E,S-E

Stowage Category

A

14.7 Maritime transport in bulk according to IMO

instruments

Not applicable.

Transport/Additional information:

ADR/RID/ADN

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category

3

Tunnel restriction code

D/E

IMDG

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":

UN 1263 PAINT, 3, III

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## **SECTION 15: Regulatory information**

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

#### **Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**Seveso category** P5c FLAMMABLE LIQUIDS

**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5.000 t

**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50.000 t

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

#### **REGULATION (EU) 2019/1148**

**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

#### **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

#### **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

#### **National regulations:**

**Information about limitation of use:** Employment restrictions concerning juveniles must be observed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### **Relevant phrases**

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- H411 Toxic to aquatic life with long lasting effects.

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# Safety data sheet

## according to 1907/2006/EC



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EUH066 Repeated exposure may cause skin dryness or cracking.

### Training hints

Regular training of staff involved in the transport of dangerous goods (in accordance with Chapter 1.3 ADR).

Before handling, storage or use for the first time, employees must be informed about the properties of the substance and about measures taken to ensure safety and environmental protection.

### Classification according to Regulation (EC) No 1272/2008

Flammable liquids	On basis of test data
Specific target organ toxicity (single exposure)	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

### Department issuing SDS:

UmEnA GmbH

<http://umena.at>

Email: [office@umena.at](mailto:office@umena.at)

**Date of previous version:** 27.06.2023

**Version number of previous version:** 1.1

### Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Carc. 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

**\* Data compared to the previous version altered.**