

# Safety data sheet in accordance with 1907/2006/EC

**Trade name:** Lackmaltinte

**Current version :** 1.1.0, issued: 05.06.2014

**Replaced version:** 1.0.0, issued: 28.05.2014

**Region:** GB

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

### 1.1 Product identifier

Trade name

**Lackmaltinte**

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

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

Consumer and/or professional use

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

**Address**

Pelikan Vertriebsgesellschaft mbH & Co. KG

Postfach 11 07 55

30102 Hannover

GERMANY

Telephone no. +49 (0) 511 69 69 - 0

**Information provided by / telephone**

Chemical Laboratory

Tel.: +49 (0) 5171 - 299 - 0

Fax.: +49 (0) 5171 - 299 - 249

**Advice on Safety Data Sheet**

sdb\_info@umco.de

### 1.4 Emergency telephone number

Giftnotruf Berlin +49 (0) 30 30 686 - 790 (24h)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification in accordance with Directive 67/548/EEC or 1999/45/EC**

R10

R67

### 2.2 Label elements

**Labelling according to Directive 1999/45/EC**

**Hazard symbols**

-

**R phrases**

10

Flammable.

67

Vapours may cause drowsiness and dizziness.

**S phrases**

2

Keep out of the reach of children.

### 2.3 Other hazards

No data available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

**Chemical characterization**

Mixture based on: alcohols; Resins; Pigments; dyes

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## Hazardous ingredients

No	Substance name	Classification 67/548/EEC	Additional information	%
	CAS / EC / Index / REACH no		Concentration	
1	<b>1-methoxy-2-propanol</b>			
	107-98-2 203-539-1 603-064-00-3 -	R10 R67	> 70.00 - < 90.00	%-b.w.
2	<b>Powder of brass, copper (7440-50-8)/ zinc (7440-66-6) alloy</b>			
	- - - -	R10	>= 0.00 - < 30.00	%-b.w.
3	<b>aluminium powder (stabilised)</b>			
	7429-90-5 231-072-3 013-002-00-1 -	F; R15 R10	>= 0.00 - < 12.00	%-b.w.
4	<b>cellulose nitrate</b>			
	9004-70-0 - 603-037-01-3 -	F; R11	0.00 - < 5.00	%-b.w.

Full Text for all R-phrases: pls. see section 16

### 3.3 Other information

Concentration data refers to the individual colors.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes and launder thoroughly before reusing.

#### After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

#### After skin contact

When in contact with the skin, clean with soap and water.

#### After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

#### After ingestion

Rinse mouth thoroughly with water. Call a doctor. Do not induce vomiting. Never give anything by mouth to an unconscious person.

### 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

Extinguishing powder; Foam; Carbon dioxide; Water mist

#### Unsuitable extinguishing media

High power water jet

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

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide and smoke.

### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

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## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not inhale vapours. Keep away sources of ignition.

#### For emergency responders

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

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Send in suitable containers for recovery or disposal.

### 6.4 Reference to other sections

No data available.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn.

#### General protective and hygiene measures

Keep away from foodstuffs and beverages. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Wash soiled clothing. Do not inhale vapours. Avoid contact with eyes and skin. Provide eye wash fountain in work area. Have emergency shower available. Use barrier skin cream.

#### Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking. Vapours can form an explosive mixture with air. Take precautionary measures against static charges.

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

#### Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect of heat.

#### Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

#### Advice on storage assembly

Do not store together with: Oxidizing agents

### 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	1-methoxy-2-propanol	107-98-2	203-539-1
	2000/39/EWG		
	1-Methoxypropanol-2		
	STEL	568	mg/m <sup>3</sup> 150
	TWA	375	mg/m <sup>3</sup> 100
	Skin resorption / sensibilisation	Skin	
	List of approved workplace exposure limits (WELs) / EH40		
	1-Methoxypropan-2-ol		
	STEL	560	mg/m <sup>3</sup> 150
	TWA	375	mg/m <sup>3</sup> 100
	Skin resorption / sensibilisation	Sk	

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## 8.2 Exposure controls

### Appropriate engineering controls

No data available.

### Personal protective equipment

#### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respiratory filter (gas) : A

#### Eye / face protection

Safety glasses (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 butyl rubber

Material thickness 0.5 mm

Breakthrough time > 8 h

#### Environmental exposure controls

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form/Colour</b>			
liquid			
product specific			
<b>Odour</b>			
ethereal			
<b>Odour threshold</b>			
No data available			
<b>pH value</b>			
Not applicable			
<b>Boiling point / boiling range</b>			
Value	appr.	120	°C
<b>Melting point / melting range</b>			
No data available			
<b>Decomposition point / decomposition range</b>			
No data available			
<b>Flash point</b>			
Value		31	°C
Method	DIN EN 456		
<b>Ignition temperature</b>			
Value	>	250	°C
Source	Literature value		
<b>Auto-ignition temperature</b>			
No data available			
<b>Oxidising properties</b>			
No data available			
<b>Explosive properties</b>			
No data available			
<b>Flammability (solid, gas)</b>			
No data available			
<b>Lower flammability or explosive limits</b>			
Value		1.7	% vol

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Upper flammability or explosive limits			
Value	11.5	% vol	
Source	Literature value		
Vapour pressure			
Value	12	mbar	
Reference temperature	20	°C	
Vapour density			
No data available			
Evaporation rate			
No data available			
Relative density			
No data available			
Density			
Value	0.98	- 1.2	g/cm³
Reference temperature	20	°C	
Solubility in water			
Remarks	partially miscible		
Solubility(ies)			
No data available			
Partition coefficient: n-octanol/water			
No data available			
Viscosity			
not determined			
Solvent content			
Value	<	82	%

## 9.2 Other information

Other information
No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

No data available.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

### 10.5 Incompatible materials

strong oxidizing agents

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute oral toxicity			
LD50	appr.	6000	mg/kg
Species	rat		
Method	Derived from the properties of its components.		

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<b>Acute dermal toxicity</b>
No data available
<b>Acute inhalational toxicity</b>
No data available
<b>Skin corrosion/irritation</b>
No data available
<b>Serious eye damage/irritation</b>
No data available
<b>Respiratory or skin sensitisation</b>
No data available
<b>Germ cell mutagenicity</b>
No data available
<b>Reproduction toxicity</b>
No data available
<b>Carcinogenicity</b>
No data available
<b>STOT-single exposure</b>
No data available
<b>STOT-repeated exposure</b>
No data available
<b>Aspiration hazard</b>
No data available
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>
The product can cause skin and eye irritation.

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## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Toxicity to fish (acute)</b>
No data available
<b>Toxicity to fish (chronic)</b>
No data available
<b>Toxicity to Daphnia (acute)</b>
No data available
<b>Toxicity to Daphnia (chronic)</b>
No data available
<b>Toxicity to algae (acute)</b>
No data available
<b>Toxicity to algae (chronic)</b>
No data available
<b>Bacteria toxicity</b>
No data available

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Other adverse effects

No data available.

### 12.7 Other information

<b>Other information</b>
Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company. Smaller quantities can be disposed with household garbage.

#### 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.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

Class	3
Classification code	F1
Packing group	III
Hazard identification no.	30
UN number	UN1263
Technical name	PAINT
Special Provision 640	640E
Tunnel restriction code	D/E
Label	3

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## 14.2 Transport IMDG

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

## 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

No data available.

## 14.7 Transport in bulk according to Annex II of MARPOL 73/78 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

**Directive 1999/13/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents (VOC Directive)**

VOC content < 82 %

#### **Restriction of occupation**

Adhere to the national sanitary and occupational safety regulations when using this product.

**Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances**

Remarks Annex I, part 2, category 6

### 15.2 Chemical safety assessment

No data available.

## SECTION 16: Other information

#### **Further information**

Use restriction recommended by the manufacturer:

In large drums ink is for professional use only.

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

EC Directive 67/548/EC resp. 1999/45/EC as amended in each case.

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

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.

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

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

R11 Highly flammable.

R15 Contact with water liberates extremely flammable gases.

#### **Department issuing safety data sheet**

UMCO Umwelt Consult GmbH

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This information is based on our present state of knowledge and experience.

The security data sheet describes products with a view to the security requirements.

However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.