

Safety Data Sheet

in accordance with 1907/2006/EWG

Revision 08.12.14
Version 9
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1. Material/ Preparation- and Manufacturer Designation

Trade name Remalle, paste, white

Intended application enamel paste

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2. Possible Hazards

F Highly flammable

Vapours may cause drowsiness and dizziness.

3. Information about constituents

Chemical Characterisation

Preparation: polymer mixture, dyestuffs, solvents

Dangerous Ingredients

CAS- #	EINECS- #	Reg- #	Substance	Part [%]	Symbol	R- Phrases/ Dangers
123-86-4	204-658-1		n- butylacetate	ca. 35	--	10-66-67
107-98-2	203-539-1		methoxy- propanole	ca. 4	--	10
141-78-6	205-500-4		ethylacetate	ca. 8	F, Xi	11-36-66-67
9004-70-0	--		nitrocellulose	ca. 15	F	11
67-63-0	200-661-7		isopropanole	ca. 5	F, Xi	10-36-67
					--	
					--	
					--	
					--	
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For complete text of the R- phrases refer to heading 15 and 16!

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4. First Aid Measures

- If inhaled:** Remove injured party to fresh air location.
If irritation persists consult doctor.
- In case of skin contact:** Wash thoroughly with soap and water.
If irritation persists consult doctor.
- In case of eye contact:** Rinse with water immediately for at least 15 minutes.
Consult eye doctor.
- In case of swallowing:** Encourage self- induced vomiting but only if fully conscious.
Consult doctor.

5. Measures to be taken in case of fire

Adjust measures to suit local circumstances of fire.

Suitable extinguishing media

water, alcohol- resistant foam, extinguishing powder, CO2

Non suitable extinguishing media

6. Measures to deal with unintentional discharge

- Avoid contact with eyes and skin.
Ensure adequate ventilation.
Do not allow to enter drains or soak into soil.

Cleaning/ Disposal

Absorb with chemical binders, sand or sawdust and dispose in accordance with regulations.

7. Handling and storage

Advice about safe procedure/ application

Advice about protection from fire- and explosion hazards

Forms an ignitable vapour/ air mixture.

Requirements for storage areas and containers

Advice about mixed storage

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8. Exposure limitations and personal protective equipment

Hygiene Requirements

Do not eat, drink or smoke while working.

Remove soiled or soaked clothing immediately.

Constituents with limiting values that require monitoring

CAS- #	Substance	MEL			
123-86-4	n- butylacetate	724	mg/m ³	150	ml/m ³
107-98-2	methoxy- propanole	375	mg/m ³	100	ml/m ³
141-78-6	ethylacetate	730	mg/m ³	200	ml/m ³
9004-70-0	nitrocellulose	--	mg/m ³	--	ml/m ³
67-63-0	isopropanole	999	mg/m ³	400	ml/m ³
			mg/m ³		ml/m ³
			mg/m ³		ml/m ³
			mg/m ³		ml/m ³
			mg/m ³		ml/m ³
			mg/m ³		ml/m ³

Protective measures

Personal protective equipment

respiratory protection: not necessary

eye protection: not necessary

hand protection: protective gloves made of nitrile rubber recommended

penetration time: --

body protection: not necessary

9. Physical and Chemical Properties

Form: paste
Colour: white
Odour: characteristic

Melting Point: -- °C
Boiling Point: 125 °C
Flash Point: < 20 °C
Ignition Temperature: > 300 °C
Viscosity: -- mPas
Density: 1060 kg/m³
Vapour Pressure at 25°C: -- kPa
Miscibility with water: partially miscible
Distribution Coefficient n-Octanol/ Water: --
pH- Value: --
Fire-promoting (oxidizing)/ explosion- risk properties: --
Explosion limits (lower): 2,5 Vol. %
(upper): 11,5 Vol. %

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10. Stability and Reactivity

Conditions to be avoided

Substances/ Materials to be avoided

strong oxidizing agents

Dangerous decomposition products

none known

11. Toxicological Information

Acute oral toxicity (LD₅₀)

CAS- #	Substance	oral		dermal	
123-86-4	n- butylacetate	14000	mg/kg (rat)	--	mg/kg (rbt)
107-98-2	methoxy- propanole	5000	mg/kg (rat)	13500	mg/kg (rbt)
141-78-6	ethylacetate	6100	mg/kg (rat)	> 18000	mg/kg (rbt)
9004-70-0	nitrocellulose	--	mg/kg (rat)	--	mg/kg (rbt)
67-63-0	isopropanole	5480	mg/kg (rat)	--	mg/kg (rbt)
			mg/kg (rat)		mg/kg (rbt)
			mg/kg (rat)		mg/kg (rbt)
			mg/kg (rat)		mg/kg (rbt)
			mg/kg (rat)		mg/kg (rbt)

Acute effects

swallowing ---
eye ---
skin skin dryness
respiratory drowsiness/ dizziness

Chronical effects

repeated toxicity ---
sensitisation ---
cummulative effect ---
CMR- effects
carcinogen not known mutagen not known
toxic for reproduction not known teratogen not known

Other information

12. Ecological Information

Ecotoxicity

LC₅₀ (fish) not tested
LC₅₀ (daphnia) not tested
aquatic envirenment ---
terrestic envirenment ---
atmosphere ---

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Mobility

potential high mobility ingredients:

Persistence and degradability

potential high persistent or potential high accumulating ingredients:

Other information

13. Disposal Considerations

Dispose in accordance with the regulations imposed by the local authority.

Waste Code-No.: 080111

Waste adhesives and sealants containing organic solvents or other dangerous substances

Other information

14. Transport Information

Classification class 3

UN 1263

Designation (proper shipping name)

Colours

(flashpoint < 23°C)

Land transport (ADR/ RID)

Danger Label Pattern Number: 3

Packaging Group: II

Classification Code: 3 F 1

Marine transport (IMDG)

Associated hazards: ---

Marine pollutant: conditional marine pollutant

Packaging Group: II

EmS: 3-O5

Dispatch by post permitted

Dispatch Conditions:

1000 ml/ vessel

4000 ml/ package

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15. Regulations

Designation in accordance with Directive 67/548/EC or 99/45/EC

labelling required

Indications of Danger F Highly flammable

R- Phrases

- 11 Highly flammable.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

S- Phrases

- 2 Keep out of the reach of children.
- 16 Keep away from sources of ignition - No smoking.
- 25 Avoid contact with eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 46 If swallowed, seek medical advice immediately and show this container or label.

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Hazardous Contents/ Contents obligated to declaration

n- butylacetate, isopropanole, ethylacetate

Chemical safety assessments composed by the issuer for the following contents

VOC- Proportion (2004/42/EC) 546/ 600 g/l - Categorie 1.1. i)

National regulations (Germany):

water hazard class: 1 (self- classifying)

storage class (VCI): 3 A

Report to authorities: no report necessary

16. Other Information

R- Phrases from heading 3, as not mentioned in heading 15

10 Flammable.

36 Irritating to eyes.

The information given above is based upon the current state of our knowledge. Its intended purpose is to describe our products in the context of safety requirements and does not signify the possession of specific properties.

Issuing source

Ecology Department Stefan Eilitz