

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.01.2009

Revision: 16.12.2008

1 Identification of substance

- **Product details**
- **Trade name** PVC-Lack 2in1
- **Article number:** 1573-1582
- **Application of the substance / the preparation** Coating
- **Manufacturer/Supplier:**
Remmers Baustofftechnik GmbH
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2 Hazards identification

- **Hazard designation:** not applicable
- **Information pertaining to particular dangers for man and environment** not applicable
- **Classification system**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** dispersion varnish paint

· **Dangerous components:**

CAS: 872-50-4 EINECS: 212-828-1	N-methyl-2-pyrrolidone	Xi; R 36/38	5-10%
CAS: 121-44-8 EINECS: 204-469-4	triethylamine	C, Xn, F; R 11-20/21/22-35	1-2.5%
CAS: 57-55-6 EINECS: 200-338-0	propane-1,2-diol		2.5-5%

4 First aid measures

- **General information** When symptoms occur or in case of doubt, seek medical advice
- **After inhalation** Seek medical treatment in case of complaints.
- **After skin contact**
Wash immediately with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

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- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
Use fire fighting measures that suit the environment.
- **Special hazards caused by the material, its products of combustion or flue gases:**
Conflagration gases from organic materials are always rated toxic for breathing.
- **Additional information** Collect contaminated fire fighting water separately. It must not enter drains.

6 Accidental release measures

- **Person-related safety precautions:** Avoid contact with eyes and skin.
- **Measures for environmental protection:**
Do not allow to enter sewage system, surface or ground water.
Do not allow to enter the ground/soil.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Avoid contact with skin and eyes.
- **Information about protection against explosions and fires:** No special requirements.
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information on storage in a common storage facility:** none
- **Further information about storage conditions:**
Store cool and dry in tightly closed containers.
Protect from frost.
Protect from heat and direct sunlight.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

872-50-4 N-methyl-2-pyrrolidone

WEL	Short-term value: 309 mg/m ³ , 75 ppm
	Long-term value: 103 mg/m ³ , 25 ppm
	Sk

57-55-6 propane-1,2-diol

WEL	Long-term value: 474* 10** mg/m ³ , 150* ppm
	*total vapour and particulates **particulates

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121-44-8 triethylamine

WEL	Short-term value: 17 mg/m ³ , 4 ppm
	Long-term value: 8 mg/m ³ , 2 ppm
	Sk

- **Additional information:** The lists that were valid during compilation were used as a basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
Observe the usual precautionary measures when handling chemicals.
Immediately remove soiled, saturated clothing.
Wash hands before pauses and after work.
Use skin protection cream for preventive skin protection.
Avoid contact with eyes and skin.
- **Respiratory equipment:** not required.
- **Protection of hands:** Protective gloves or protective skin cream.
- **Material of gloves** Nitrile rubber, NBR
- **Penetration time of glove material**
Break through time: max. 240 min (DIN EN 374).
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
Safety glasses
if there is a risk of splashes
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

- **General Information**

Form:	Fluid
Colour:	According to product specification
Odour:	Mild

- **Change in condition**

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined

- **Flash point:** Not applicable

- **Self-inflammability:** Product is not self-igniting.

- **Danger of explosion:** Product is not explosive.

- **Density at 20°C** 1.04 - 1.15 g/cm³

- **Solubility in / Miscibility with Water:** miscible

- **pH-value at 20°C:** 7.6 - 8.0

- **Viscosity:**
dynamic at 20°C: 1600 - 1800 mPas

- **Solvent content:**

- **Solid content:** 32 - 45 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.

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No decomposition if handled and stored according to specifications.

- **Dangerous reactions** No dangerous reactions known

- **Dangerous decomposition products:**

None if used properly.

None if stored properly.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

121-44-8 triethylamine

Oral	LD50	730 mg/kg (Ratte)
Dermal	LD50	416 mg/kg (Kaninchen)

- **Primary irritant effect:**

- **on the skin:** No irritating effect.

- **on the eye:** No irritating effect.

- **Sensitisation:** No sensitising effect known.

- **Additional toxicological information:**

The product is not subject to labelling based on the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to directions, the product does not have any harmful effects according to our experience and the information available.

12 Ecological information:

- **General notes:**

Water hazard class 1 : slightly hazardous to water.

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

13 Notes on disposal:

- **Product:**

- **Recommendation**

Do not dispose of together with household garbage. Do not allow product to reach sewage system.

Liquid material remains are to be disposed of at collection facilities for old varnishes.

- **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11	waste paint and varnish containing organic solvents or other dangerous substances

- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**

- **ADR/RID-GGVS/E Class:** -

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· **Maritime transport IMDG/GGVSea:**· **IMDG/GGVSea Class:** -· **Air transport ICAO-TI and IATA-DGR:**· **ICAO/IATA Class:** -· **Transport/Additional information:** Not a hazardous good according to the above regulations.

15 Regulatory information

· **Designation according to EC guidelines:**

The product is not subject to labelling in accordance with EC Guidelines and the Ordinance on Hazardous Materials (GefStoffV).

Observe normal safety precautions for handling chemicals

· **Special labelling of certain preparations:**

Safety data sheet available for professional user on request.

· **National regulations**· **Water hazard class:** Water hazard class 1: slightly hazardous to water.· **Other regulations, limitations and prohibition ordinances**

Observe the usual protective measures when working and for storage.

16 Other information:

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

Delivery specifications are found in the respective Technical Information Sheets.

· **Relevant R-phrases**

11 Highly flammable.

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

35 Causes severe burns.

36/38 Irritating to eyes and skin.

· **Department issuing data specification sheet:** Product Safety department

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