

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 09.01.2017

Version number 4

Revision: 09.01.2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking*** 1.1 Product identifier***** Trade name** **Protective Sealer***** Article number:** 2155, 2156*** 1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

*** Application of the substance / the mixture** Protective coating*** 1.3 Details of the supplier of the safety data sheet***** Manufacturer/Supplier:**

Remmers GmbH
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D-49624 Lönningen / Germany
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*** Informing department:**

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 1293 594 010
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*** 1.4 Emergency telephone number:**

during working hours:

U.K.: Tel.: +44 (0) 1293 594 010

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24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

SECTION 2: Hazards identification*** 2.1 Classification of the substance or mixture***** Classification according to Regulation (EC) No 1272/2008**

Skin Sens. 1 H317 May cause an allergic skin reaction.

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

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

*** Hazard pictograms**

GHS07

*** Signal word** Warning*** Hazard-determining components of labelling:**poly[oxy(methyl-1,2-ethanediyl)], α -(methylphenyl)- ω -hydroxy-*** Hazard statements**

H317 May cause an allergic skin reaction.

*** Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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- P280 Wear protective gloves.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P363 Wash contaminated clothing before reuse.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

* **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

* **2.3 Other hazards**

* **Results of PBT and vPvB assessment**

* **PBT:** Not applicable.

* **vPvB:** Not applicable.

* SECTION 3: Composition/information on ingredients

* **3.2 Chemical characterisation: Mixtures**

* **Description:** Mixture of the substances listed below with harmless additions.

* **Dangerous components:**

CAS: 64742-48-9 EINECS: 265-150-3 Index number: 649-327-00-6 Reg.nr.: 01-2119486659-16-XXXX	Naphtha (petroleum), hydrotreated heavy Asp. Tox. 1, H304	40-60%
CAS: 9064-13-5	poly[oxy(methyl-1,2-ethanediyl)], α -(methylphenyl)- ω -hydroxy- Skin Sens. 1, H317	1-2.5%
CAS: 872-50-4 EINECS: 212-828-1 Index number: 606-021-00-7 Reg.nr.: 01-2119472430-46-XXXX	N-methyl-2-pyrrolidone Repr. 1B, H360D; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	\leq 0.3%

* **SVHC**

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

* **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**

Take affected persons out of danger area and instruct to lie down.

Call a doctor immediately.

* **After inhalation**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

* **After skin contact**

Remove contaminated clothing.

Wash immediately with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

* **After eye contact** Rinse opened eye for several minutes under running water.

* **After swallowing**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

Keep the person affected quiet.

* **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**

No further relevant information available.

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SECTION 5: Firefighting measures

- * **5.1 Extinguishing media**
- * **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- * **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- * **5.3 Advice for firefighters**
- * **Protective equipment:** No special measures required.
- * **Additional information** Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

- * **6.1 Personal precautions, protective equipment and emergency procedures**
Keep away from ignition sources
- * **6.2 Environmental precautions:** Do not allow to enter sewage system, surface or ground water.
- * **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
- * **6.4 Reference to other sections**
No dangerous materials are released.
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- * **7.1 Precautions for safe handling**
Use only in well ventilated areas.
Ensure good ventilation/exhaust in workplaces.
Avoid the formation of aerosols.
- * **7.2 Conditions for safe storage, including any incompatibilities**
- * **Storage**
- * **Requirements to be met by storerooms and containers:** none
- * **Information on storage in a common storage facility:** none
- * **Further information about storage conditions:** None.
- * **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- * **Additional information about design of technical systems:** Use only in well-ventilated areas.
- * **8.1 Control parameters**
- * **Components with limit values that require monitoring at the workplace:**

CAS: 872-50-4 N-methyl-2-pyrrolidone
WEL Short-term value: 80 mg/m³, 20 ppm
Long-term value: 40 mg/m³, 10 ppm
Sk
- * **Additional information:** The lists that were valid during compilation were used as a basis.
- * **8.2 Exposure controls**
- * **Personal protective equipment**
- * **General protective and hygienic measures**
Immediately remove soiled, saturated clothing.
Wash hands before pauses and after work.
- * **Respiratory equipment:**
If the solvent concentration is above TLV-values, respiratory equipment admitted for this purpose must be worn.
Short term filter device:

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Filter A (brown)

In case of brief exposure or low pollution load, use respiratory protection equipment with filter. In case of intensive or longer exposure, use self-contained respiratory protection equipment.

*** Protection of hands:**

Solvent resistant gloves
Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

*** Material of gloves**

Nitrile rubber, NBR

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

*** Penetration time of glove material**

Break through time: max. 240 min (DIN EN 374).

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

*** Eye protection:** Safety glasses recommended during refilling.

*** Body protection:**

Wear anti-static clothing made of natural fibres (cotton) or heat resistant synthetic fibres. After contact with skin, wash thoroughly.

SECTION 9: Physical and chemical properties

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

*** General Information**

*** Appearance:**

Form: Fluid
Colour: According to product specification

*** Odour:** Aromatic

*** Odour threshold:** Not determined.

*** pH-value:** Not determined.

*** Change in condition**

Melting point/freezing point: Not determined
Initial boiling point and boiling range: Not determined

*** Flash point:** ca. 62 °C

*** Inflammability (solid, gaseous)** Not applicable.

*** Ignition temperature:** not applicable

*** Decomposition temperature:** Not determined.

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

*** Explosive properties:** Product is not explosive.

*** Explosive Limits:**

Lower: Not determined.
Upper: Not determined.

*** Vapour pressure:** Not determined.

*** Density at 20 °C** ca. 0.975 g/cm³

*** Relative density** Not determined.

*** Vapour density** Not determined.

*** Evaporation rate** Not determined.

*** Solubility in / Miscibility with**

Water: Not miscible or difficult to mix

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- * **Distribution coefficient (n-octanol/water):** Not determined.
- * **Viscosity:**
 - dynamic:** Not determined.
 - kinematic at 40 °C:** >20.5 mm²/s
- * **Solvent separation test** < 3 %
- * **Organic solvents:** 51.02 %
- * **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- * **10.1 Reactivity** No further relevant information available.
- * **10.2 Chemical stability**
- * **Thermal decomposition / conditions to be avoided:**
No decomposition if handled and stored according to specifications.
- * **10.3 Possibility of hazardous reactions** No dangerous reactions known
- * **10.4 Conditions to avoid** No further relevant information available.
- * **10.5 Incompatible materials:** No further relevant information available.
- * **10.6 Hazardous decomposition products:** None if used properly.

SECTION 11: Toxicological information

- * **11.1 Information on toxicological effects**
- * **Acute toxicity:** Based on available data, the classification criteria are not met.
- * **LD/LC50 values that are relevant for classification:** No further relevant information available.
- * **Primary irritant effect:**
- * **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.
- * **Sensitisation:**
May cause an allergic skin reaction.
- * **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- * **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** Based on available data, the classification criteria are not met.
- * **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.

SECTION 12: Ecological information

- * **12.1 Toxicity**
- * **Aquatic toxicity:** No further relevant information available.
- * **12.2 Persistence and degradability** No further relevant information available.
- * **Other information:** No data available
- * **12.3 Bioaccumulative potential** No further relevant information available.
- * **12.4 Mobility in soil** No further relevant information available.
- * **Additional ecological information:**
- * **General notes:** Do not allow product to reach ground water, bodies of water or sewage system.
- * **12.5 Results of PBT and vPvB assessment**
- * **PBT:** Not applicable.
- * **vPvB:** Not applicable.
- * **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- * **13.1 Waste treatment methods**
- * **Recommendation**
Must be specially treated in compliance with official regulations.

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The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

* **European waste catalogue**

08 01 11* waste paint and varnish containing organic solvents or other hazardous substances

* **Uncleaned packaging:**

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

SECTION 14: Transport information

* **14.1 UN-Number**

* **ADR, ADN, IMDG, IATA** Void

* **14.2 UN proper shipping name**

* **ADR, ADN, IMDG, IATA** Void

* **14.3 Transport hazard class(es)**

* **ADR, ADN, IMDG, IATA**

* **Class** Void

* **14.4 Packing group**

* **ADR, IMDG, IATA** Void

* **14.5 Environmental hazards:**

* **Marine pollutant:**

-

No

* **14.6 Special precautions for user**

Not applicable.

* **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

* **Transport/Additional information:**

Not a hazardous good according to the above regulations.

* **UN "Model Regulation":**

Void

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.

* **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 30

* **National regulations**

* **Other regulations, limitations and prohibition ordinances**

* **Substances of very high concern (SVHC) according to REACH, Article 57**

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

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

SECTION 16: Other information

Delivery specifications are found in the respective Technical Information Sheets.

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.

* **Relevant phrases**

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H360D May damage the unborn child.

* **Department issuing data specification sheet:** Product Safety department / EHS

* **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

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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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Repr. 1B: Reproductive toxicity – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1