

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.01.2017

Version number 4

Revision: 03.01.2017

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

* 1.1 Product identifier

* Trade name **Rofalin Acrylic**

* Article number: 2323-2327; 2330, 2332, 2334, 2336, 2343

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

No further relevant information available.

* Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

* Product category PC9a Coatings and paints, thinners, paint removers

* Process category

PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC10 Roller application or brushing

* Environmental release category

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

ERC8c Widespread use leading to inclusion into/onto article (indoor)

ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

ERC8f Widespread use leading to inclusion into/onto article (outdoor)

ERC10a Widespread use of articles with low release (outdoor)

ERC11a Widespread use of articles with low release (indoor)

* Application of the substance / the mixture Coating

* 1.3 Details of the supplier of the safety data sheet

* Manufacturer/Supplier:

Remmers GmbH

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D-49624 Lönningen / Germany

Tel.: +49(0)5432/83-0

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Remmers (UK) Limited
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* Informing department:

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 1293 594 010

E-Mail: sales@remmers.co.uk

* 1.4 Emergency telephone number:

during working hours:

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

sales@remmers.co.uk

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after working hours: Tel.: +49 (0)171 21 34 091

24h-Transport Emergency Contact Phone Number:

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

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

2 SECTION 2: Hazards identification

* 2.1 Classification of the substance or mixture

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

The product is not classified according to the CLP regulation.

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* 2.2 Label elements

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

* **Hazard pictograms** Void

* **Signal word** Void

* **Hazard statements** Void

* **Additional information:**

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

* 2.3 Other hazards

* **Results of PBT and vPvB assessment**

* **PBT:** Not applicable.

* **vPvB:** Not applicable.

3 SECTION 3: Composition/information on ingredients

* 3.2 Chemical characterisation: Mixtures

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

* **Dangerous components:** Void

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

4 SECTION 4: First aid measures

* 4.1 Description of first aid measures

* **General information**

If symptoms occur or in case of doubt, seek medical attention. In case of unconsciousness, do not administer anything orally.

* **After inhalation** Seek medical treatment in case of complaints.

* **After skin contact** 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.

Seek medical treatment.

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

In case of prolonged/repeated exposure or in high concentrations:

Irritating effect on skin and eyes.

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

symptomatic treatment

5 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

May be released in case of fire

Carbon monoxide (CO)

further harmful conflagration gases and fumes

* 5.3 Advice for firefighters

* **Protective equipment:** No special measures required.

* **Additional information** Collect contaminated fire fighting water separately. It must not enter drains.

6 SECTION 6: Accidental release measures

* 6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.

* 6.2 Environmental precautions:

Do not allow to enter the ground/soil.

Dilute with plenty of water.

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- * **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- * **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7 SECTION 7: Handling and storage

- * **7.1 Precautions for safe handling**
Use only in well ventilated areas.
No special measures required.
- * **7.2 Conditions for safe storage, including any incompatibilities**
- * **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:** Protect from frost.
- * **7.3 Specific end use(s)** No further relevant information available.

8 SECTION 8: Exposure controls/personal protection

- * **Additional information about design of technical systems:** No further data; see item 7.
- * **8.1 Control parameters**
- * **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with limit values that have to be monitored at the workplace.
- * **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**
Do not eat, drink or smoke while working.
Use skin protection cream for preventive skin protection.
- * **Respiratory equipment:**
In case of insufficient ventilation/or spraying procedures: Respiratory equipment with particle filter P 2
- * **Protection of hands:**
Protective gloves or protective skin cream.
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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- * **Eye protection:** if there is a risk of splashes
- * **Body protection:** Protective work clothing.

9 SECTION 9: Physical and chemical properties

- * **9.1 Information on basic physical and chemical properties**
- * **General Information**
- * **Appearance:**

Form:	Fluid
Colour:	Different, according to dye

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* Odour:	Weak, characteristic
* Odour threshold:	Not determined.
* pH-value at 20 °C:	9
* Change in condition	
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	100 °C
* Flash point:	Not applicable
* 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 at 20 °C:	23 hPa
* Density at 20 °C	1.15-1.24 g/cm ³
* Relative density	Not determined.
* Vapour density	Not determined.
* Evaporation rate	Not determined.
* Solubility in / Miscibility with	
Water:	Fully miscible
* Distribution coefficient (n-octanol/water):	Not determined.
* Viscosity:	
dynamic at 20 °C:	2700 mPas
kinematic:	Not determined.
* Solvent separation test	< 3 %

10 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:** No dangerous decomposition products known

11 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:** Based on available data, the classification criteria are not met.
- * **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.

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- * **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.

12 SECTION 12: Ecological information

- * **12.1 Toxicity**
- * **Aquatic toxicity:** No further relevant information available.
- * **12.2 Persistence and degradability** No further relevant information 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.

13 SECTION 13: Disposal considerations

- * **13.1 Waste treatment methods**
- * **Recommendation**
Liquid material remains are to be disposed of at collection facilities for old varnishes.
Hardened material can be disposed of as building rubble.
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 20 aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
- * **Uncleaned packaging:**
- * **Recommendation:**
Packaging can be reused or recycled after cleaning.
Disposal must be made according to official regulations.
- * **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 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 concerning transport**
- * **Special precautions concerning transport according to Annex II of Marpol and the IBC Code**
- * **Transport/Additional information:** Not a hazardous good according to the above regulations.
- * **UN "Model Regulation":** Void

15 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.

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

Also when working with low-pollutant varnishes, the usual protective measures should be observed.

*** 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 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.

*** 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

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

vPvB: very Persistent and very Bioaccumulative