

Safety Data Sheet
according to 1907/2006/EC, Article 31

Revised on: 01.07.2015

Version: 1.0

Ralmont GmbH

92361 Berggau

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RALMO[®]-Hybrid window

Section 1: Name of the substance or mixture and the company

1.1 Product identifier:

Trade name: Ralmo[®]-Hybrid window

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

1.2.1 Relevant identified uses:

Building material and building additives

1.3 Details of the supplier who provides the safety data sheet:

Company name: Ralmont GmbH
Street: Pavelsbacher Straße 17
Place: D-92361 Berggau
Phone: +49 (0)9181 5120240 - Fax: + 49 (0)9181 5120241
E-Mail: info@ralmont.de - Contact person: Mr. Thomas Eckstein
Internet: <http://www.ralmont.de>

1.4 Emergency number: Bonn Poison Control Center, 24 hours a day, Tel. +49(0)228-19240

Section 2: Hazard Identification

2.1 Classification of the substance or mixture (REGULATION (EG) No. 1272/2008):

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008.

2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC

Not classified as dangerous according to the criteria of Directive(s) 67/548/EEC and/or 1999/45/EC.

2.2 Label elements:

Labelling according to Regulation EC No. 1272/2008 (CLP)

EUH208 Contains 3-aminopropyltriethoxysilane; N-(3-(trimethoxysilyl)propyl)ethylenediamine.

May cause allergic reactions.

Additional labelling:

EUH210 Safety data sheet available on request.

2.3 Other dangers:

CLP

Does not contain ingredients meeting the PBT and/or vPvB criteria in Annex XIII of Regulation (EC) No 1907/2006.

Section 3: Composition/ information on ingredients

3.1 Substances:

Not applicable.

3.2 Mixtures:

Chemical characterization: Elastomer based on silane-terminated polymers

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Hazardous ingredients:

Chemical Designation	CAS-No. EG-No. Registration number	Classification: (67/548/EWG)	Classification (Regulation (EC) 1272/2008)	Concentration (%)
3-Aminopropyltriethoxysilane	919-30-2 213-048-4 213-048-4	C; R34; R43; Xn; R22	Skin Corr. 1B; H314 Acute Tox. 4; H302 Skin Sens. 1; H317	< 1
N-(3-(trimethoxysilyl)propyl) ethylenediamine	1760-24-3 1760-24-3 01-2119970215-39	N; R51/53 R43 Xi; R41	Eye Dam. 1; H318 Skin Sens. 1; H317	< 1
BIS(2,2,6,6-Tetramethyl-4-piperidyl)- sebacate	52829-07-9 258-207-9 01-2119537297-32	01-2119537297-32	Eye Irrit. 2; H319 Aquatic Chronic 2; H411	< 1

Other ingredients:
Ingredients on the candidate list of substances of very high concern (SVHC):

Chemical Designation	CAS-No. EG-No. Registration number	Classification (67/548/EWG)	Classification (Regulation (EC) 1272/2008)	Concentration (%)
2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentylphenol	25973-55-1 247-384-8	Classification (67/548/EWG)	Classification (Regulation (EC) 1272/2008)	0,1 - < 1

Explanation of abbreviations: See section 16.

Section 4: First aid measures

4.1 Description of first aid measures:
General information:

If medical advice is needed, have container, label or safety data sheet available.

Post inhalation:

If inhalation occurs, remove to fresh air and keep warm and quiet.

If symptoms develop, seek medical attention.

Post skin contact:

Wash with soap and water as a precaution. If symptoms develop, seek medical attention.

Post eye contact:

Immediately flush eyes with running water for 10-15 minutes with eyelids open.

Remove contact lenses if possible. Seek medical attention.

Post swallowing:

If swallowed, rinse mouth with plenty of water (only if person is conscious).

Get medical attention or doctor immediately. Hydrolysis releases small amounts of toxic methanol.

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

None known.

4.3 Indications for immediate medical help or special treatment:

Hydrolysis releases small amounts of toxic methanol.

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Section 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water spray, Alcohol resistant foam Dry chemical, Carbon dioxide (CO₂).

Unsuitable extinguishing media: Full water jet

5.2 Special hazards arising from the substance or mixture:

Special hazards arising from contact with products of combustion may be hazardous to health.

Firefighting:

Hazardous combustion products:

Oxides of carbon

5.3 Advice for firefighting:

Adapt extinguishing measures to the surroundings. Do not allow extinguishing water to reach sewage system.

5.3.1 Special protective equipment for fire fighting:

Use suitable breathing apparatus.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Follow recommendations for safe handling and personal protective equipment. Avoid contact with eyes and skin.

6.2 Environmental precautions:

Avoid discharge into the environment. Contain and dispose of contaminated wash water. If large quantities of spilled material cannot be contained, local authorities should be notified.

6.3 Methods and material for containment and cleaning up:

Reinigungsverfahren: Mit inertem Aufsaugmittel aufnehmen. Das aufgenommene Material gemäß Abschnitt 13 behandeln.

6.4 Reference to other sections:

See sections: 8

Section 7: Handling and storage

7.1 Precautions for safe handling:

Protective measures: No special precautions required.

7.2 Conditions for safe storage taking into account incompatibilities:

No special precautionary measures required.

Storage class (TRGS 510): 10

Storage conditions: Protect against moisture. Store containers dry and tightly closed.

7.3 Specific end use(s)

Specific use(s): These precautions apply to handling as a joint sealant based on silane-modified polymers. Observe technical data sheet.

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Section 8: Exposure controls / personal protection

8.1 Parameters to be monitored: Occupational exposure limits:

Ingredients	CAS-No.	Value type (type of exposure)	Parameters to be monitored	Basis
Methanol (fission product)	67-56-1	AGW	200 ppm / 270 mg/m ³	DE TRGS 900
Peak limitation: Exceedance factor (category) Remark: Version:	4;(II) H, Y 01.02.2006			
Methanol (fission product) Remark:	H		200 ppm / 260 mg/m ³	EC TWA
Ethanol (fission product)	64-17-5	AGW	500 ppm / 960 mg/m ³	DE TRGS 900
Peak Limitation: Exceedance Factor (Category) Comment: Version:	2;(II) Y 01.02.2006			

Biological limits:

Methanol (fission product)	67-56-1	Methanol / Urine End of exposure or end of shift; in case of long-term exposure; after several preceding shifts	3 mg/L	DE TRGS 903
Version	01.09.2001			

8.2 Exposure limit and monitoring exposure:

Personal Protective Equipment:

Eye protection:

Wear safety glasses

Hand protection:

Wash hands before breaks and at the end of work. Wear suitable protective gloves. Suitable material: CR (polychloroprene, chloroprene rubber); NBR (nitrile rubber); IIR (butyl rubber); PVC (polyvinyl chloride); NR (natural rubber, natural latex).

Skin- and body protection:

Wash skin surfaces thoroughly after contact.

Respiratory protection:

Normally no personal respiratory protection necessary.

General protective and hygienic measures:

Observe the usual precautions when handling chemicals. Do not eat, drink, smoke or snort in the workplace. Wash hands before breaks and at the end of work. Avoid contact with skin, eyes and clothing..

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	paste
Color:	according to product name
Odor:	weak, characteristic
pH value:	not applicable

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Melting point/Freezing point:	not applicable
Initial boiling point and boiling range:	not applicable
Upper explosion limit:	not applicable
Lower explosion limit:	not applicable
Density:	1.5 g/cm ³
Solubility in water:	reacts with water

9.2 Other information:

The product is not self-igniting. The product is not explosive.

Section 11: Toxicological information

11.1 Information on toxicological effects Acute toxicity

Information on probable routes of exposure:	Ingestion, Skin contact, Eye contact.
Primary irritant effect on skin:	Irritation possible (experience from practice/ in humans)
Irritation to eyes:	Irritation possible (experience from practice/ in humans)

Sensitization:

Contains sensitizing substances. May cause allergic reactions.

Section 12: Ecological information

12.1 Toxicity:

The mixture was tested for environmental hazards according to the conventional method and was not classified as environmentally hazardous.

12.2 Persistence and degradability:

There is no information available.

12.3 Bio accumulative potential

There is no information available.

12.4 Mobility in soil:

There is no information available.

12.5 Results of PBT- and vPvB-assessment:

Contains a SVHC substance with PBT / vPvB properties.

12.6 Other harmful effects:

There is no information available.

Section 13: Disposal considerations

13.1 Waste treatment methods:

Product, cured: Household or industrial waste. Dispose of in accordance with local regulations.

Product, not cured: Hazardous waste. Dispose of in accordance with local regulations.

Waste code number (EWC/EAV): 080410: Adhesive and sealant wastes other than those listed under 080409.

Contaminated Packaging: Dispose of contaminated packaging in the same way as unused product.

Non-contaminated and completely empty packaging can be recycled.

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Section 14: Transport information

- 14.1 UN number:**
Not classified as dangerous goods.
- 14.2 Proper UN shipping name:**
Not classified as dangerous goods.
- 14.3 Transport hazard class:**
Not classified as dangerous goods.
- 14.4 Packing group:**
Not classified as dangerous goods.
- 14.5 Environmental hazards:**
Not classified as dangerous goods.
- 14.6 Special precautionary measures for the user:**
Not applicable.

Section 15: Legislation

- 15.1 Safety, health and environmental regulations / legislation specific for the substance or the mixture:**
- National regulations:**
- Employment Restriction Notices:**
Observe possible employment restrictions according to the Maternity Protection Directive Ordinance or the Youth Employment Protection Act.
- Technical Instructions Air (TA-AIR):**
Weight fraction (subclause 5.2.5. I): < 1%.
- Water hazard class:**
WGK 1 slightly hazardous to water Classification according to VwVwS
- Other regulations, restrictions and prohibitions:**
No flammable liquid according to BetrSichV.
- 15.2 Chemical safety assessment:**
There is no information available.

Section 16: Other information

- 16.1 Modification notes:**
- 16.2 Abbreviations and acronyms:**
- | | |
|---------|---|
| BCF | Bioconcentration factor |
| CMR | Carcinogenic-mutagenic-reproductive toxicant |
| DNEL | Derived no-effect level |
| EWC | European Waste Catalogue |
| NOEC | Concentration with no observable effect |
| NOEL | Dose with no observable effect |
| OEL | Occupational exposure limit |
| PBT | Persistent, bioaccumulative, toxic |
| PNEC | Predicted concentration in the respective environmental medium at which no harmful effect occurs any more |
| STOT | Specific target organ toxicity |
| STOT SE | Specific target organ toxicity - single exposure |
| SVHC | Substance of very high concern |

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vPvB	very persistent, very bioaccumulative
Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Asp. Tox.	Aspiration hazard
Skin Corr.	Skin corrosivity
Skin Sens.	Sensitization by skin contact
DE TRGS 900	TRGS 900 - Occupational exposure limits
DE TRGS 900 / AGW	Occupational exposure limit value

16.3 Key references and data sources:

Sources of the most important data used to prepare the data sheet: Internal technical data, raw material data from the MSDS, accident prevention regulations and information from the employers' liability insurance associations.

16.4 Wording of R-, H- and EUH-phrases (number and full text):

Full text of R-phrases

R22:	Harmful if swallowed.
R34:	Causes burns.
R36:	Irritating to eyes.
R41:	Risk of serious damage to eyes.
R43:	May cause sensitization by skin contact.
R51/53:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65:	Harmful: may cause lung damage if swallowed.
R66:	Repeated exposure may cause skin dryness or cracking.

Full text of H-phrases

H302:	Harmful if swallowed.
H314:	Causes severe skin burns and eye damage.
H317:	May cause allergic skin reaction.
H318:	Causes serious eye damage.
H319:	Causes severe eye irritation.
H411:	Toxic to aquatic life with long lasting effects.

The information contained in this Safety Data Sheet (SDS) has been prepared in good faith and is based on the knowledge available at the time of publication. The information is intended only as a guide to safe handling, use, processing, storage, transport, disposal and release and does not constitute a warranty or quality specification. This information applies only to the substance identified above in this SDS and does not apply when the substance identified in the SDS is used in combination with other substances or in other processes, unless otherwise stated in the text. Users of the substance should review the information and recommendations in the specific case of intended handling, use, processing and storage, including, where appropriate, an assessment of the adequacy of the substance identified in the SDS in the user's final product.

(The data of the hazardous ingredients were taken from the latest safety data sheet of the supplier).