

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

Printing date: 19.04.2023 Version 1
Revision: 19.04.2023

Ralmont GmbH
D-92361 Berggau
Page 1 of 8

RALMO[®] assembly FIX ALL SEASONS

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

1.1 Product identifier

Trade name: RALMO[®] assembly FIX ALL SEASONS / RALMO[®]-Montage FIX ALL SEASONS

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 Adhesives

1.3 Details of the supplier of the safety data sheet:

Company name: Ralmont GmbH
Street: Keltenring 16
Location: D-92361 Berggau
Telephone: +49 (0)9181/516 40-20
E-Mail: info@ralmont.de Contact person: Mr. Niklas Weber
Internet: <http://www.ralmont.de>

1.4 Emergency telephone number: +49 (0)9181/516 40-20

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008



GHS07

Eye Irrit. 2H319 Causes serious eye irritation.
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:

Trimethoxyvinylsilan

Hazard statements:

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

Precautionary statements:

P101 if medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read all instructions carefully and follow them.

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 19.04.2023 Version 1
Revision: 19.04.2023

Ralmont GmbH
D-92361 Berggau
Page 2 of 8

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves / eye protection / face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362+P364	Remove contaminated clothing and wash before wearing again.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

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 substances listed below with nonhazardous additions.

Dangerous components:

CAS: 2768-02-7	trimethoxyvinylsilane	
EINECS: 220-449-8	Flam. Liq. 3, H226; Acute Tox. 4, H332; Skin Sens. 1B, H317	≥1 - ≤2,5 %
CAS: 13822-56-5	3-(trimethoxysilyl)propylamine	
EINECS: 237-511-5	Eye Dam. 1, H318; Skin Irrit. 2, H315	≥1 - ≤2,5 %
CAS: 870-08-6	Diocetylzinnoxid	≥0 - ≤2,5 %
EINECS: 212-791-1	Substance for which a Community workplace exposure limit value applies. at the workplace applies. Substance exhibiting endocrine disrupting properties (II).	
CAS: 52829-07-9	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	
EINECS: 258-207-9	Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411	0,25- <1 %

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:

Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

If symptoms persist consult doctor.

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.

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 19.04.2023 Version 1
Revision: 19.04.2023

Ralmont GmbH
D-92361 Berggau
Page 3 of 8

SECTION 5: Firefighting measures

- 5.1 Extinguishing media:**
Suitable extinguishing agents:
Use fire extinguishing methods suitable to surrounding conditions.
- 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.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:**
Not required.
- 6.2 Environmental precautions:**
Do not allow to enter sewers/ 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 contaminated material as waste according to item 13.
Ensure adequate ventilation.
- 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 disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Information about fire - and explosion protection:
No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities:**
Storage:
Requirements to be met by storerooms and receptacles:
No special requirements.
Information about storage in one common storage facility:
Not required.
Further information about storage conditions:
Keep container tightly sealed.
Storage class:
10
- 7.3 Specific end use(s):**
No further relevant information available.

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 19.04.2023 Version 1
Revision: 19.04.2023

Ralmont GmbH
D-92361 Berggau
Page 4 of 8

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities:

No further data; see item 7.

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:

870-08-6 Dioctylzinnoxid AGW Long-term value 0,01 mg/m³, 0,002 ml/m³ 2(II);H, Y, 10, 11, AGS, DFG

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device.
In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

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:

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 the glove material

The exact breakthrough time must be obtained from the protective glove manufacturer and must be adhered to.

Eye/face protection

Tightly fitting safety goggles

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

General Information:

Physical state:	Pasty
Colour:	Black
Odour:	Characteristic
Odour threshold:	Not determined

Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.

Flash point:	>200 °C
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Flammability (solid, gas):	Not applicable
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Decomposition temperature:	Not determined
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Auto-ignition temperature:	Product is not selfigniting
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Explosive properties:	Product does not present an explosion hazard
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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 19.04.2023 Version 1
Revision: 19.04.2023

Ralmont GmbH
D-92361 Bergau
Page 5 of 8

Explosion limits:	
Lower:	Not determined
Upper:	Not determined

Vapour pressure:	Not determined
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Density:	Not determined
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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Partition coefficient: n-octanol/water:	Not determined
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Viscosity:	
Dynamic:	Not determined
Kinematic:	Not determined

Solvent content:	
Organic solvents:	<0,0 %

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 used 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.

SECTION 11: Toxicological information

11.1 Information on hazard classes within the meaning of Regulation (EC) No 1272/2008

Acute toxicity:

Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification: 870-08-6 dioctyltin oxide

Oral LD50 2.500 mg/kg (rat)

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation:

Causes serious eye irritation.

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 19.04.2023 Version 1
Revision: 19.04.2023

Ralmont GmbH
D-92361 Berggau
Page 6 of 8

Respiratory or skin 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.

11.2 Information on other hazards

Endocrine disrupting properties
870-08-6 dioctyltin oxide List III

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:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course 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 not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

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

Printing date: 19.04.2023 Version 1
Revision: 19.04.2023

Ralmont GmbH
D-92361 Bergau
Page 7 of 8

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:** Not applicable
- 14.6 Special precautions for user** Not applicable
- Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable
- 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
- Regulation (EU) No 649/2012**
870-08-6 Dioctyltin oxide Annex I Part 1
- Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II**
None of the ingredients are included.
- REGULATION (EU) 2019/1148**
Annex I - RESTRICTED EXPORT SUBSTANCES FOR EXPLOSIVE SUBSTANCES (Upper concentration limit for authorisation under Article 5(3))
None of the ingredients are present.
- Annex II - REPORTABLE EXPORT SUBSTANCES FOR EXPLOSIVES**
None of the ingredients is included.
- Regulation (EC) No 273/2004 on drug precursors.**
None of the ingredients are included.
- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade in between the Community and third countries**
None of the ingredients are included.
- National regulations:**
Water hazard class: WGK 1 (self-classification): slightly hazardous for water.
- 15.2 Chemical safety assessment:**
A Chemical Safety Assessment has not been carried out.

Safety data sheet

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Revision: 19.04.2023

Ralmont GmbH
D-92361 Berggau
Page 8 of 8

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H361f May probably affect fertility.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Department issuing SDS:

Abteilung Produktsicherheit

Contact:

Mr. Thomas Eckstein

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)

PBT:

Persistent, Bioaccumulative and Toxic

Flam. Liq. 3:

Flammable liquids – Category 3

Acute Tox. 4:

Acute toxicity - inhalation – Category 4

Skin Irrit. 2:

Skin corrosion/irritation – Category 2

Eye Dam. 1:

Serious eye damage/eye irritation – Category 1

Eye Irrit. 2:

Serious eye damage/eye irritation – Category 2

Skin Sens. 1:

Skin sensitisation – Category 1

Skin Sens. 1B:

Skin sensitisation – Category 1B

Aquatic Acute 1:

Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 2:

Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

* Data changed compared to previous version