

Safety Data Sheet
according to Regulation (EC) No. 1907/2006

Date of creation: 14.06.2000
Revision: 19.07.2015
Version:

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92361 Berggau
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Ralmo[®]-Foil Adhesive EPDM Eco

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

1.1 Product identifier

Trade name:	Ralmo [®] -Foil Adhesive EPDM eco
Registration number REACH:	Not applicable (Mixture)
Product type REACH:	Mixture

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

1.2.1 Relevant identified uses:

Adhesive

1.2.2 Uses advised against:

No known uses advised against.

1.3 Details of the supplier providing 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 numbers:

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

SECTION 2: Possible hazards

2.1 Classification of the substance or mixture:

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

2.2 Label elements:

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

2.3 Other hazards:

No other hazards known.

SECTION 3: Composition/information on ingredients

3.1 Substances:

Not applicable

3.2 Mixtures:

No other hazards known

SECTION 4: First aid measures

4.1 Descriptions of first aid measures:

General measures:

If you feel unwell, call a doctor.

After inhalation:

Remove victim to fresh air. Breathing difficulties: Consult physician/medical service.

After skin contact:

Flush with water. Use of soap is permitted. If irritation persists, consult a physician.

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After eye contact:

Rinse with water. Consult an ophthalmologist if irritation persists.

After ingestion:

Rinse mouth with water. If feeling unwell: Consult a doctor/medical service.

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

4.2.1 Acute symptoms:

After inhalation:

No effects known.

After skin contact:

No effects known.

After eye contact:

No effects known.

After ingestion:

No effects known.

4.2.2 Delayed symptoms:

No effects known.

4.3 Indication of any immediate medical attention or special treatment needed:

If applicable and available, indicated below.

SECTION 5: Fire Fighting Measures

5.1 Extinguishing media:

5.1.1 Suitable extinguishing media:

Water mist. Multigrade foam. Carbonic acid.

5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

5.2 Special hazards arising from the substance or mixture:

On combustion: formation of CO, CO₂ and minor amounts of hydrogen chloride, nitrous gases.

5.3 Advice for firefighters:

5.3.1 Measures:

No special extinguishing instructions required.

5.3.2 Special protective equipment for fire fighting:

Gloves. Protective suit. In case of heating/combustion: Compressed air/oxygen equipment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

No open fire.

6.1.1 Protective equipment for personnel not trained for emergencies:

See item 8.2

6.1.2 Protective equipment for emergency personnel:

Gloves. Protective suit.

Appropriate protective clothing:

See item 8.2

6.2 Environmental precautions:

Collect released product. Avoid environmental contamination by suitable containment.

6.3 Methods and material for containment and cleaning up:

Collect solids in sealable containers. Clean contaminated surfaces with soap solution.

Clean clothing and equipment after work.

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6.4 References to other sections:
See item 13.T

SECTION 7: Handling and Storage

The information contained in this section is a general description. If applicable and available, the exposure scenarios are included in the appendix. You must always use exposure scenarios appropriate to their identified uses.

7.1 Precautions for safe handling:

Keep away from open flames/heat sources. Follow normal hygiene practices. Keep container tightly closed.

7.2 Conditions for safe storage, taking into account incompatibilities:

7.2.1 Conditions for safe storage:

Store in a dry place. Store at room temperature. Comply with legal requirements.
Max. Storage time: 1 year.

7.2.2 Keep away from:

Heat sources, water/humidity.

7.2.3 Suitable packaging material:

Synthetic material.

7.2.4 Unsuitable packaging material:

No data available

7.3 Specific end uses:

If applicable and available, exposure scenarios in the Annex. Follow manufacturer's instructions.

SECTION 8: Exposure controls/personal protective equipment

8.1 Parameters to be monitored:

8.1.1 Occupational exposure:

- (a) Occupational Exposure Limits.
Limit values are listed below where available and applicable.
- (b) National biological limits.
The limits are listed below where available and applicable.

8.1.2 Sampling Procedure:

When applicable and available, indicated below.

8.1.3 Applicable limits in the intended use:

Limit values are listed below where available and applicable.

8.1.4 DNEL/PNEC Values:

When applicable and available, indicated below.

8.1.5 Control banding:

When applicable and available, indicated below.

8.2 Exposure controls:

The information contained in this section is a general description. If applicable and available, the exposure scenarios are included in the appendix. You must always use exposure scenarios appropriate to your identified uses.

8.2.1 Appropriate engineering controls:

Keep away from open flames/heat sources.

8.2.2 Individual protective measures, for example personal protective equipment:

Follow usual hygiene. Keep containers well closed. Do not eat, drink or smoke while working.

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|----------------------------|--|
| a) Respiratory protection: | Respiratory protection not required for normal handling. |
| b) Hand protection: | Gloves. |
| c) Eye protection: | Eye protection not required for normal handling. |
| d) Skin protection: | Protective clothing. |

8.2.3 Environmental exposure controls:

See Sections 6.2, 6.3 and 13.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Paste
Odor:	Faint odor
Odor threshold:	No data available
Color:	Product color is composition dependent
Particle size:	No data available
Explosion limits:	No data available
Flammability:	Slightly flammable
Log Kow:	Not applicable (mixture)
Dynamic viscosity:	No data available
Kinematic viscosity:	No data available
Melting point:	No data available
Boiling point:	No data available
Flash Point:	>200°C
Evaporation rate:	No data available
Relative Vapor Density:	No data available
Vapor Pressure:	No data available
Solubility:	Water; insoluble Organic solvents; soluble
Relative density:	1.4
Decomposition Temperature:	No data available
Auto-ignition temperature:	No data available
Explosive properties:	No chemical group associated with explosive properties.
Oxidizing Properties:	No chemical group associated with oxidizing properties.
pH:	No data available

9.2 Other information

Absolute density: 1455 kg/m³

SECTION 10: Stability and Reactivity

10.1 Reactivity:

When heated: increased fire hazard.

10.2 Chemical stability:

Stable under normal conditions.

10.3 Possibility of hazardous reactions:

No data available.

10.4 Conditions to avoid:

Keep away from open flames/heat sources.

10.5 Incompatible materials:

Water/moisture.

10.6 Hazardous decomposition products:

On combustion: Formation of CO, CO₂ and minor amounts of hydrogen chloride, nitrous gases.

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SECTION 11: Toxicological information.

11.1 Information on toxicological effects:

11.1.1 Test Results:

Acute toxicity:

RALMO[®]-Foil Adhesive EPDM eco
No (experimental) data available on the mixture.
Assessment based on relevant ingredients.

Conclusion:

Not classified for acute toxicity.

Corrosive/irritant effect:

RALMO[®]-Foil Adhesive EPDM eco
No (experimental) data available on the mixture.
Assessment based on relevant ingredients.

Conclusion:

Not classified as irritant to skin.
Not classified as irritating to eyes.
Not classified as irritant to the respiratory system.

Respiratory/skin sensitization:

RALMO[®]-Foil Adhesive EPDM eco
No (experimental) data available on the mixture.
Assessment based on relevant ingredients.

Conclusion:

Not classified as sensitizing to skin.
Not classified as sensitizing by inhalation.

Specific target organ toxicity:

RALMO[®]-Foil Adhesive EPDM eco
No (experimental) data available on the mixture.
Assessment based on relevant ingredients.

Conclusion:

Not classified for subchronic toxicity.

Germ cell mutagenicity (in vitro):

RALMO[®]-Foil Adhesive EPDM eco.
No (experimental) data available on the mixture.

Germ cell mutagenicity (in vivo):

RALMO[®]-Foil Adhesive EPDM eco
No (experimental) data available on the mixture.

Carcinogenicity:

RALMO[®]-Foil Adhesive EPDM eco
No (experimental) data available on the mixture.

Reproductive toxicity:

RALMO[®]-Foil Adhesive EPDM eco
No (experimental) data available for the mixture.
Assessment is based on the relevant ingredients.

Conclusion CMR:

Not classified for carcinogenicity.
Not classified for mutagenic toxicity or genotoxicity.
Not classified for reproductive or developmental toxicity.

Chronic effects after short or long term exposure:

RALMO[®]-Foil Adhesive EPDM eco
No effects known.

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SECTION 12: Environmental information

12.1 Toxicity:

RALMO®-Foil Adhesive EPDM eco
No (experimental) data available on the mixture.
Assessment based on relevant ingredients.

Conclusion:

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

12.2 Persistence and degradability:

No information on biodegradability in water.

12.3 Bioaccumulative potential:

RALMO®-Foil Adhesive EPDM eco
Remark: Not applicable (mixture)

Conclusion:

Data on bioaccumulation not available.

12.4 Mobility in soil:

No (experimental) data available on the mobility of the components.

12.5 Results of PBT and vPvB assessment:

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

12.6 Other adverse effects:

RALMO®-Foil Adhesive EPDM eco
Global Warming Potential (GWP)

None of the known components are included in the list of fluorinated greenhouse gases (Regulation (EC) No. 517/2014).

Ozone Depletion Potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).

SECTION 13: Disposal information:

The information contained in this section is a general description. If applicable and available, the exposure scenarios are included in the annex. You must always use exposure scenarios appropriate to the subject of your identified uses.

13.1 Waste treatment procedures:

13.1.1 Waste regulations:

Waste code (Directive 2008/98/EC, Decision 2000/0532/EC).

08 04 10 (Waste from MFSU of adhesives and sealants (including water-repellent materials):

Waste adhesives and sealants other than those mentioned in 08 04 09). Depending on the industry and production process, other waste codes may be applicable. May be considered as non-hazardous waste according to Regulation (EC) No 1357/2014.

13.1.2 Disposal information:

Mix or dissolve in flammable solvent. Dispose of in an approved incinerator equipped with an afterburner and gas scrubber with energy recovery. Dispose of waste in accordance with local and/or national regulations. Deliver to authorized waste disposal company. Do not discharge into drains or the environment.

13.1.3 Packaging:

Waste code Container (Directive 2008/98/EC).

15 01 02 (plastic packaging).

13.1.4 Disposal of contaminated containers:

Empty container completely.

Hand over to approved disposal company.

Recommended cleaning: Cleaning by recycler or specialist company.

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SECTION 14: Transport information

Road (ADR)

14.1 UN number

Transport: Not specified

14.2 Proper UN Shipping Name

14.3 Transport hazard classes

Number identifying the hazard:

Class:

Classification Code:

14.4 Packing group

Packing group:

Hazard label:

14.5 Environmental hazards

Environmentally hazardous substances label: No

14.6 Special precautions for the user

Special precautions:

Limited quantities:

Railroad (RID)

14.1 UN number

Transport: Not specified

14.2 Proper UN Shipping Name

14.3 Transport hazard classes

Number identifying the hazard:

Class:

Classification Code:

14.4 Packing group

Packing group:

Hazard label:

14.5 Environmental hazards

Environmentally hazardous substances label: No

14.6 Special precautions for the user

Special precautions:

Limited quantities:

Inland waterways (ADN)

14.1 UN number

Transport: Not specified

14.2 Proper UN Shipping Name

14.3 Transport hazard classes

Number identifying the hazard:

Class:

Classification Code:

14.4 Packing group

Packing group:

Hazard label:

14.5 Environmental hazards

Environmentally hazardous substances label: No

14.6 Special precautions for the user

Special precautions:

Limited quantities:

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Sea (IMDG/IMSBC)

14.1 UN number

Transport: Not specified

14.2 UN proper shipping name

14.3 Transport hazard classes

Number identifying the hazard:

Class:

Classification Code:

14.4 Packing group

Packing group:

Hazard label:

14.5 Environmental hazards

Marine pollutant -

Environmentally hazardous substance label: No

14.6 Special precautions for user

Special precautions:

Limited quantities:

14.7 Transport in bulk according to Annex II of MARPOL and according to the IBC Code:

Annex II of MARPOL 73/78: Not applicable. Luft (ICAO-TI/IATA-DGR)

Air (ICAO-TI/IATA-DGR)

14.1 UN number

Transport: Not subject to

14.2 UN proper shipping name

14.3 Transport hazard classes

Number identifying the hazard:

Class:

Classification Code:

14.4 Packing group

Packing group:

Hazard label:

14.5 Environmental hazards

Environmentally hazardous substances label: No

14.6 Special precautions for the user

Special precautions:

Passenger and cargo aircraft: Limited quantities:

Maximum total quantity allowed per package

SECTION 15: Legislation

15.1 Safety, health and environmental regulations/specific legislation for the substance or

Mixture:

European legislation:

FOV content Directive 2010/75/EU.

FOV content:

< 2 %

< 29.1 g/l

National legislation Germany:

RALMO[®]-Foil Adhesive EPDM eco

WKG 1; classification hazardous to water on component basis according to Verwaltungsvorschrift
substances hazardous to water (VwVwS) of 27 July 2005 (Annex 4)

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National legislation Belgium:

Ralmo Foil Adhesive EPDM eco

No data available.

Other relevant data:

Ralmo Foil Adhesive EPDM eco

No data available.

15.2 Chemical Safety Assessment:

No chemical safety assessment required.

SECTION 16: Other information

(*) = SELF-CLASSIFICATION OF BIG

PBT substances = persistent, bioaccumulative and toxic substances.

CLP (EU-GHS) Classification, labeling and packaging (Globally Harmonised System in Europe)

All information contained in this safety data sheet is based on data and samples supplied by BIG. The information is given to the best of our knowledge and belief and reflects the state of knowledge at the time of preparation of the safety data sheet. The safety data sheet only provides instructions on how to safely handle, use, consume, store, transport and dispose of the substances/preparations/mixtures listed under item 1. New safety data sheets will be issued in due course, of which only the most recent version may be used. Older versions must be destroyed. Unless expressly stated otherwise in the safety data sheet, the information given in it does not apply to the substances/preparations/mixtures in a purer form, as a mixture with other substances or in other processing. The safety data sheet does not specify the quality of the substances/preparations/mixtures concerned. Compliance with the instructions contained in the safety data sheet does not release the consumer from his obligation to take all measures which common sense and the regulations and recommendations suggest in this respect or which are necessary and/or useful on the basis of the specific conditions of use. BIG does not guarantee the accuracy or completeness of the information contained herein and cannot be held liable for any changes made by third parties. This Safety Data Sheet is intended exclusively for use in the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside the area of application is at your own risk. Use of this Safety Data Sheet is subject to the license and limitation of liability provisions contained in your BIG license agreement or, if these are not applicable, to the general provisions of BIG. All intellectual property rights associated with this MSDS are owned by BIG; distribution and reproduction rights are restricted. For details, please refer to the aforementioned agreement or provisions.

(The data of the hazardous ingredients were in each case taken from the latest valid safety data sheet of the upstream supplier).