

## Safety Data Sheet according to 1907/2006/EG

Date of creation/revision: 12.02.2020

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### RALMO<sup>®</sup>-Multi-Primer-LFB

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

##### 1.1 Product identifier

RALMO<sup>®</sup>-Multi-Primer-LFB

##### 1.2 Relevant identified uses of the substance/ mixture and uses advised against

No further relevant information available.

##### 1.3 Application of the substance / the mixture:

Primer

##### 1.4 Details of the supplier providing the safety data sheet

Company name: Ralmont GmbH  
Street: Pavelsbacher Straße 17  
City: D-92361 Berggau  
Telephone: +49 (0)9181/516 40-20  
E-Mail: info@ralmont.de · Contact Person: Mr Thomas Eckstein  
Internet: <http://www.ralmont.de>

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

#### Section 2: Potential hazards

##### 2.1 Classification of the substance or mixture

**According to Regulation (EC) No 1272/2008 [CLP].**

The product is not subject to classification according to GHS criteria.

##### 2.2 Labeling elements

**Globally Harmonized System (GHS)**

The product is not subject to labeling according to GHS criteria.

Labeling of certain preparations (GHS):

EUH208: May cause an allergic reaction.

Contains mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 2-methyl-2H-isothiazol-3-one, 1,2-benzisothiazol-3(2H)-one.

##### 2.3 Other hazards

**According to Regulation (EC) No. 1272/2008(CLP)**

No particular hazards known if the regulations/instructions for storage and handling are observed accordingly  
Irritant effect is possible if the product adheres to and consequently dries on the skin.

#### Section 3: Composition/Information on Ingredients

##### 3.1 Chemical characterization:

Formulation based on an aqueous dispersion of a polymer based on: acrylic acid ester.

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### Section 4: First-aid measures

#### 4.1 Description of the first aid measures

##### General information

Remove contaminated clothing.

##### After inhalation:

Rest, inhale fresh air, seek medical attention.

##### After skin contact:

Wash thoroughly with soap and water.

##### After eye contact:

Immediately thoroughly rinse out eyes under running water with eyelids held apart for at least 15 minutes, seek ophthalmologist

##### After ingestion:

Immediately rinse out mouth and drink plenty of water, seek medical attention.

#### 4.2 Most important acute and delayed symptoms and their effects:

Symptoms: Due to the prior non-classification of the product, no unusual symptoms are to be expected.

Hazards: No hazards are expected.

#### 4.3 Indications for immediate medical help or specialised treatment

Treatment: Symptomatic treatment (decontamination, vital signs).

### Section 5: Firefighting measures

#### 5.1 Extinguishing agent

##### Suitable extinguishing agents

Water spray, extinguishing powder, foam, carbon dioxide

#### 5.2 Special hazards arising from the substance or mixture

No particular hazards known.

#### 5.3 Further Information/ Advice for fire fighting Special protective equipment for firefighting

No data available.

#### 5.4 Further information:

Dispose of fire residues and contaminated extinguishing water in accordance with official regulations.

The product itself does not burn; extinguishing measures should be adapted to the fire's surroundings.

### Section 6: Measures in the event of accidental release of product

#### 6.1 Personal precautions, protective equipment and emergency procedures.

Use personal protective equipment. Avoid contact with eyes and skin.

#### 6.2 Environmental precautions

Do not allow product to enter waterways without prior pretreatment.

#### 6.3 Methods and material for containment and cleaning up

For small quantities: Absorb with suitable, liquid-binding material (e.g. sand, sawdust, universal binder, diatomaceous earth).  
Dispose of the absorbed material in accordance with regulations.

For large quantities: Pump off product

#### 6.4 Reference to other sections

Information on limitation and control of exposure as well as information on personal protection and disposal of products can be found in Sections 8 and 13.

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### Section 7: Handling and storage

#### 7.1 Protective measures for safe handling

Observe the usual precautions when handling chemicals. Small quantities of carbon monoxide may form during prolonged storage. To the best of our knowledge, the occupational exposure limit (OEL) will not be exceeded if the product is used in accordance with its intended purpose. Containers/tanks may only be driven on after thorough and assured ventilation and in compliance with national regulations or international standards for driving on containers/tanks. In case of doubt, a CO concentration measurement is required.

#### Conditions for safe storage under consideration of incompatibilities

Further information on storage conditions: Store protected from frost.

#### Specific end-uses

For the relevant identified uses according to section 1, the guidance given in section 7 must be observed.

### Section 8: Exposure limitation and control/ Personal protective equipment

#### 8.1 Parameters to monitor

##### Components with limit values that require monitoring at the workplace

None.

#### 8.2 Limitation and Control of exposure

##### Personal protective equipment

##### Hand protection:

Suitable chemical-resistant protective gloves (EN 374) recommended; also in case of prolonged, direct contact (recommended: Protection index 6, corresponding to > 480 minutes. Permeation time according to EN 374): e.g. made of nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm), etc.

##### Additional Information:

The data is based on own tests, literature data and information from glove manufacturers or has been derived by analogy from similar substances. It should be noted that the daily service life of a chemical protective glove in practice may be significantly shorter than the permeation time determined by tests due to the several influencing factors (e.g. temperature).

##### Eye protection:

Safety goggles with side protection (frame goggles) (e.g. EN 166)

##### General protective and hygienic measures

Wash hands and/or face before breaks and at the end of work. Avoid contact with eyes and skin.

### Section 9: Physical and chemical properties

#### 9.1 Information on the basic physical and chemical properties

Form:	liquid
Color:	white
Odor:	faint odor
Odor threshold:	no data available
pH at 23°C:	3,5 – 6,0
Water melting point:	0 °C
Water boiling point:	100 °C
Flashpoint:	not applicable
Evaporation rate:	no data available
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Water vapour pressure:	23,4 hPa (20 °C) according to literature
Density:	approx. 1,01 g/cm <sup>3</sup> (20°C) ISO 2811-1
Relative density:	no data available
Relative vapor density (air):	no data available

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Water solubility:	partially soluble (15°C)
Partition coefficient n-Octanol/water (log Kow):	not applicable
Autoflammability:	not autoflammable
Thermal decomposition:	no decomposition if used properly.
Risk of explosion:	not explosive
Oxidizing properties:	not oxidizing
Other Information	
Miscibility in water:	miscible
Solids content:	64 – 66 %

### Section 10: Stability and reactivity

#### 10.1 Reactivity

No hazardous reactions if the regulations/instructions for storage and handling are observed.

#### 10.2 Chemical stability

The product is stable if the regulations/instructions for storage and handling are observed.

#### 10.3 Possible dangerous reactions

No hazardous reactions when stored and handled according to instructions. During prolonged storage, small quantities of carbon monoxide may form.

#### 10.4 Conditions to avoid

Extreme temperatures should be avoided.

#### 10.5 Incompatible materials

Substances to avoid: No known substances to avoid.

#### 10.6 Hazardous decomposition products

No known hazardous decomposition products if the regulations/instructions for storage and handling are observed.

### Section 11: Toxicological Data

#### 11.1 Information on toxicological effects

##### Acute oral Toxicity

Assessment Acute toxicity:

Practically non-toxic after a single oral ingestion. The product has not been tested.

The statement was derived from products of similar structure or composition.

Experimental/calculated data:

LD50 Ratte (oral): > 2.000 – 10.000 mg/kg

##### Irritant effect

Assessment Irritant effect:

Irritant effect is possible if product adheres to skin by drying.

It does not have an irritating effect on the eyes. It does not have an irritating effect on the skin.

The product has not been tested. The statement was derived from products of similar structure or composition.

Experimental/calculated data:

Skin burn/irritation Rabbit: Non-irritant. (OECD Guideline 404)

Serious eye damage/irritation Rabbit: Non-irritant. (OECD Guideline 405)

##### Airway/skin sensitization

Assessment Sensitization:

Does not cause skin sensitization in animal tests. The product has not been tested. The statement was derived from products of similar structure or composition.

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### Germ cell mutagenicity

Assessment Mutagenicity:

The substance did not show mutagenic properties in bacteria. The product was not tested. The statement was derived from products of similar structure or composition.

### Carcinogenicity

Carcinogenicity Assessment:

From the entirety of the available information, there are no indications of a carcinogenic effect.

### Reproductive toxicity

Reproductive Toxicity Assessment:

Not expected to cause reproductive toxicity (due to composition).

### Developmental toxicity

Teratogenicity Assessment:

The assessment of a possible developmental adverse effect is not possible on the basis of the available data.

### Specific target organ toxicity (single exposure)

Simple assessment of specific target organ toxicity:

Based on available information, no organ-specific toxicity is expected from single exposure.

### Repeated dose toxicity and specific target organ toxicity (repeated exposure).

Assessment of repeated dose toxicity:

No adverse effects were observed in animal experiments after repeated inhalation exposure.

The product was not tested. The statement was derived from products of similar composition.

### Aspiration hazard

not applicable

### Other notes on toxicity

According to our experience and information, the product does not cause any adverse health effects if handled and used as intended. The statement is derived from products of similar composition.

## Section 12: Environmental information

### 12.1 Toxicity

#### Assessment aquatic toxicity:

Highly unlikely to be acutely harmful to aquatic organisms. If low concentrations are properly discharged into biological sewage treatment plants, disturbances of the degradation activity of activated sludge are not to be expected.

#### Toxicity to fish:

LC50 (96h) > 100 mg/l, *Brachidanio rerio* (OECD-Guideline 203, static)

#### Aquatic invertebrates:

EC50 (48h) > 100 mg/l, *Daphnia magna* (OECD-Guideline 202, Part 1, static)

#### Aquatic plants:

EC50 (72h) > 100 mg/l, *Scenedesmus subspicatus* (OECD-Guideline 201)

#### Microorganisms/effect on activated sludge:

EC20 (0,5h) > 100 mg/l, activated sludge, municipal (DIN EN ISO 8192-OECD 209- 88/302/EWG, T.C)

If low concentrations are properly discharged into biological wastewater treatment plants, disturbances of the degradation activity of activated sludge are not to be expected

### 12.2 Persistence and degradability

#### Assessment biodegradation and elimination (H2O):

The product can be largely eliminated from the water by abiotic processes, e.g. adsorption on activated sludge.

#### Elimination data:

>70 % DOC-removal (OECD 302B; ISO 9888, 88/302/EWG, Part C) Readily eliminable from water.

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### 12.3 Bioaccumulative potential

The polymeric portion is not bioavailable due to its structural properties. An accumulation in organisms is not expected.

### 12.4 Mobility in soil

Assessment of transportation between environmental compartments:

Volatility: no data available

### 12.5 Results of the PBT and vPvB assessment

According to Regulation (EC) No. 453/2010: The product does not meet the criteria for PBT (persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

### 12.6 Other adverse effects

No data available

### 12.7 Additional notes

Adsorbable, organic bound halogen (AOX): No data available.

Other ecotoxicological information:

Do not allow product to enter waters without prior pretreatment.

Negative ecological effects are not to be expected according to present knowledge.

The ecological data given was derived from similar products.

## Section 13: Notes on disposal

### 13.1 Waste treatment process

Must be disposed of in accordance with local regulations, e.g. in a suitable incineration plant.

A waste code number according to the European Waste Catalogue (EWC) cannot be specified, as this is dependent on the usage.

The national and local legal regulations must be observed.

## Section 14: Transport information

### Overland Transport

ADR Non-hazardous material in the sense of the transport regulations

RID Non-hazardous material in the sense of the transport regulations

### Inland waterway transport

ADN Non-hazardous material in the sense of the transport regulations

### Maritime transport

IMDG Non-hazardous material in the sense of the transport regulations

### Air Transport

IATA/ICAO Non-hazardous material in the sense of the transport regulations

## Section 15: Legal provisions

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

Water hazard class (Annex 2 of VwVwS (Germany)):

(1) slightly hazardous to water

If other regulatory requirements are applicable and have not already been listed elsewhere in this Safety Data Sheet, please find these located in this sub-section.

#### Chemical Safety Assessment

Substance safety assessment not required

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### Section 16: Other disclosures

Other intended applications should be discussed with the manufacturer.

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*The information in this Safety Data Sheet is correct to the best of our knowledge at the time of printing. The information is intended to provide guidance on the safe handling of the product specified in this safety data sheet during storage, processing, transportation and disposal. The information is not transferable to other products. Insofar as the product is mixed, blended or processed with other materials, or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material thus produced, unless explicitly stated otherwise. (The data of the hazardous ingredients was taken from the latest valid safety data sheet of the upstream supplier).*