

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 11/20/2019

Reviewed on 07/31/2019

**1 Identification**

- **Product identifier**
- **Trade name:** **RUCO-FIL SCA**
- **Article number:** 74156002
- **Application of the substance / the mixture** Textile auxiliary
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
RUDOLF GmbH  
Altwaterstrasse 58-64  
D-82538 Geretsried  
Tel.: +49-(0)8171-53-0  
Fax.: +49-(0)8171-53-191  
e-mail: Doris.Christl@rudolf.de
- **Information department:** Product safety department
- **Emergency telephone number:** +49-8171-53-222

**2 Hazard(s) identification**

- **Classification of the substance or mixture**  
The product is not classified, according to the Globally Harmonized System (GHS).

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- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Information pertaining to particular dangers for man and environment:**  
When sprayed the respiratory tracts may be irritated by aerosol drops.  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**3 Composition/information on ingredients**

- **Chemical characterization:** Mixtures
- **Description:**  
Preparation of:  
Polysiloxane compound

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Paraffin  
additives

- **Dangerous components:** Void
- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

**4 First-aid measures**

- **Description of first aid measures**
- **General information:** By continuous complaints consult a doctor.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**  
Seek medical treatment.  
Do not induce vomiting.  
Never give anything by mouth to an unconscious person.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**5 Fire-fighting measures**

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Carbon monoxide (CO)+ carbon dioxide (CO<sub>2</sub>)  
In certain fire conditions, traces of other toxic gases cannot be excluded.  
Silicon dioxide (SiO<sub>2</sub>)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Keep people at a distance and stay upwind.  
Particular danger of slipping on leaked/spilled product.  
Refer to protective measures listed in sections 7 and 8.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

**Protective Action Criteria for Chemicals**

**PAC-1:**

63148-62-9	dimethyl polysiloxane	65 mg/m <sup>3</sup>
68439-49-6	fatty alcohol ethoxylate	3.8 mg/m <sup>3</sup>

**PAC-2:**

63148-62-9	dimethyl polysiloxane	720 mg/m <sup>3</sup>
68439-49-6	fatty alcohol ethoxylate	42 mg/m <sup>3</sup>

**PAC-3:**

63148-62-9	dimethyl polysiloxane	4,300 mg/m <sup>3</sup>
68439-49-6	fatty alcohol ethoxylate	250 mg/m <sup>3</sup>

**7 Handling and storage**

- **Handling:**
- **Precautions for safe handling** Keep receptacles tightly sealed.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Use polyolefine receptacles.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Protect from frost.
- **Recommended storage temperature:** 5-30 °C
- **Storage Period:**
- Storage period: Stable for at least 6 month if stored properly in originally closed containers.
- **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.  
Avoid contact with the eyes.
- **Breathing equipment:** Use suitable respiratory protective device only when aerosol or mist is formed.
- **Recommended filter device for short term use:** P2
- **Protection of hands:**



Protective gloves

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- **Material of gloves**  
Nitrile rubber, NBR  
Butyl rubber, BR  
Recommended thickness of the material:  $\geq 0.4$  mm
- **Penetration time of glove material** Value for the permeation: Level  $\leq 6$  (480 min)
- **As protection from splashes gloves made of the following materials are suitable:**  
Butyl rubber, BR  
Nitrile rubber, NBR
- **Eye protection:**



Safety glasses

- **Body protection:** Protective work clothing

**9 Physical and chemical properties**

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

**Form:** Fluid  
**Color:** White  
**Odor:** Weak, characteristic

- **Change in condition**

**Melting point/Melting range:** ca. 0 °C (ca. 32 °F)  
**Boiling point/Boiling range:** > 100 °C (> 212 °F)

- **Flash point:** > 100 °C (> 212 °F)

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Density:** Not determined.

- **Solubility in / Miscibility with**

**Water:** Not miscible or difficult to mix.

- **Viscosity:**

**Dynamic at 20 °C (68 °F):** 500 - 2000 mPas

- **Other information** No further relevant information available.

**10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability** The product is stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions**  
No hazardous reactions when stored and handled according to prescribed instructions.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Reactions with strong oxidising agents.

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· **Hazardous decomposition products:** None, if handled according to order.

**11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

Oral	LD-50	> 3000 mg/kg (Rat)
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· **Primary irritant effect:**

· **on the skin:** Based on available data, the classification criteria are not met.

· **on the eye:** Based on available data, the classification criteria are not met.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

When sprayed in inadequately ventilated places, the aerosol drops may seriously irritate the respiratory tract! Therefore it is absolutely necessary to strictly observe the instructions of chapter (para) 8.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**12 Ecological information**

· **Toxicity**

· **Aquatic toxicity:**

LC-50	> 30 mg/l (Vertebrata)
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· **Persistence and degradability** No further relevant information available.

· **Method:** OECD 302 B

· **Analyzing method:** DOC decrease

· **Degree of elimination:** > 80 %

· **Classification:** Readily eliminable from water

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Behavior in sewage processing plants:**

EC-50	> 100 mg/l (activated sludge)
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Elimination	> 80 % (OECD 302 B)
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· **Additional ecological information:**

· **CSB-value:** not available

· **BSB5-value:** not available

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- **AOX-indication:** Product does not contain any organic bound Halogens which could lead to AOX-values.
- **According to the formulation contains the following heavy metals and compounds from the EU guideline NO. 2006/11/EC:**  
The product does not contain heavy metals in waste water relevant concentrations.
- **Results of PBT and vPvB assessment**
- **PBT:**  
This mixture contains no substance that is persistent, bioaccumulative and/or toxic (PBT criteria) according to Annex XIII of the regulation (EU) No. 1907/2006 (REACH).
- **vPvB:**  
This mixture contains no substance that is very persistent and/or very bioaccumulative (vPvB criteria) according to Annex XIII of the regulation (EU) No. 1907/2006 (REACH).
- **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation:**  
After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.  
Disposal must be made according to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

- |  |  |
|--|--|
| · <b>UN-Number</b><br>· <b>DOT, ADR, IMDG, IATA</b>                                    | Void   |
| · <b>UN proper shipping name</b><br>· <b>DOT, ADR, IMDG, IATA</b>                      | Void   |
| · <b>Transport hazard class(es)</b><br>· <b>DOT, ADR, IMDG, IATA</b><br>· <b>Class</b> | Void   |
| · <b>Packing group</b><br>· <b>DOT, ADR, IMDG, IATA</b>                                | Void   |
| · <b>Environmental hazards:</b>  | Not applicable.                                      |
| · <b>Special precautions for user</b>  | Not applicable.                                      |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>       | Not applicable.                                      |
| · <b>Transport/Additional information:</b>   | Not dangerous according to the above specifications. |
| · <b>UN "Model Regulation":</b>  | Void   |

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**15 Regulatory information**

- *Safety, health and environmental regulations/legislation specific for the substance or mixture*
- *Sara*

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

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

**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.*

· **Department issuing SDS:** Product safety departement

· **Contact:** Product safety

· **Date of preparation / last revision** 11/20/2019 / 1

· **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

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

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*NFPA: National Fire Protection Association (USA)*  
*HMIS: Hazardous Materials Identification System (USA)*  
*LC50: Lethal concentration, 50 percent*  
*LD50: Lethal dose, 50 percent*  
*PBT: Persistent, Bioaccumulative and Toxic*  
*vPvB: very Persistent and very Bioaccumulative*  
*NIOSH: National Institute for Occupational Safety*  
*OSHA: Occupational Safety & Health*  
*TLV: Threshold Limit Value*  
*PEL: Permissible Exposure Limit*  
*REL: Recommended Exposure Limit*

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