

## 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** SI 4554-476, SI 4554-481
- **Article number:** 3000000142
- **Registration number**  
REACH-registration for preparations is unnecessary. The ingredients are registered or preregistered.
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use SU12** Manufacture of plastics products, including compounding and conversion
- **Article category AC13** Plastic articles
- **Application of the substance / the preparation** Raw material for plastics
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
SYNRES-ALMOCO BV.  
Hoek van Holland  
The Netherlands  
Tel.No.: ++31(0)174/389999  
Fax.No.: ++31(0)174/389988  
RASCHIG GMBH  
Mundenheimer Str. 100  
D-67061 Ludwigshafen/Rhein  
Tel.No.: ++49 (0)621/5618-0  
Fax No.: ++49 (0)621/588285  
e-mail : info@raschig.de
- **Further information obtainable from:**  
Chemical division/Health and safety department  
Tel. : +49 (0)621-5618-0  
Fax : +49 (0)621-5618-397  
Reference partners :  
Email : gohler@raschig.de, rreinke@raschig.de
- **Emergency telephone number:**  
For Chemical Emergency  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

## 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
Not applicable.  
Void
- **Information concerning particular hazards for human and environment:** Not applicable.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void

(Contd. on page 2)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 17.07.2012

Vers.-no.: 1

Revision: 17.07.2012

**Trade name: SI 4554-476, SI 4554-481**

(Contd. of page 1)

- **Signal word** *Void*
- **Hazard statements** *Void*
- **Precautionary statements**
  - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
  - P281 Use personal protective equipment as required.
  - P309 IF exposed or if you feel unwell:
  - P314 Get medical advice/attention if you feel unwell.
  - P401 Store in accordance with local/regional/national/international regulations.
  - P402 Store in a dry place.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** *Silicone moulding compound*
- **Dangerous components:** *Void*
- **SVHC** Does not contain SVHC substances

### 4 First aid measures

- **Description of first aid measures**
- **General information:** *No special measures required.*
- **After inhalation:** *Supply fresh air.*
- **After skin contact:** *Immediately wash with water and soap and rinse thoroughly.*
- **After eye contact:**
  - In case of irritation consult an oculist .*
  - Rinse opened eye for several minutes under running water.*
- **After swallowing:** *Rinse out mouth and then drink plenty of water.*
- **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 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** *CO2, powder or water spray. Fight larger fires with water spray.*
- **Special hazards arising from the substance or mixture**
  - Carbon monoxide and carbon dioxide*
  - Danger of forming toxic pyrolysis products.*
- **Advice for firefighters**
- **Protective equipment:**
  - Do not inhale explosion gases or combustion gases.*
  - Self-contained respiratory protective device.*

(Contd. on page 3)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 17.07.2012

Vers.-no.: 1

Revision: 17.07.2012

**Trade name: SI 4554-476, SI 4554-481**

(Contd. of page 2)

· **Additional information**

*Collect contaminated fire fighting water separately. It must not enter the sewage system.*

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** *Avoid formation of dust.*
- **Environmental precautions:** *Do not allow to enter sewers/ surface or ground water.*
- **Methods and material for containment and cleaning up:**  
*Pick up mechanically.*  
*Dispose contaminated material as waste according to item 13.*
- **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.*

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
*Development and deposition of dust has to be avoided.*  
*Provide suction extractors if dust is formed.*
- **Information about fire - and explosion protection:**  
*Substance/product is self extinguishing, but can burn when combined with flammable material.*  
*Dust can combine with air to form an explosive mixture.*  
*Protect against electrostatic charges.*
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *Store only in the original receptacle.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:**  
*Store in cool, dry conditions in well sealed receptacles.*
- **Recommended storage temperature:** *At 15 °C to 25 °C*
- **Specific end use(s)** *No further relevant information available.*

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:**  
*Take appropriate measures against dust.*  
*No further data; see item 7.*
- **Control parameters**
- **Ingredients 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 valid during the making were used as basis.*
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
*Do not inhale dust.*  
*don't smoke.*

(Contd. on page 4)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 17.07.2012

Vers.-no.: 1

Revision: 17.07.2012

Trade name: SI 4554-476, SI 4554-481

(Contd. of page 3)

- **Respiratory protection:**  
Use suitable respiratory protective device in case of insufficient ventilation.  
Not necessary if room is well-ventilated.
- **Recommended filter device for short term use:** Filter FFP2
- **Protection of hands:** Protective gloves
- **Material of gloves**  
Nitrile rubber, NBR  
Recommended material strength:  $\geq 0.11$  mm
- **Penetration time of glove material** Penetration time  $\geq 8$  h
- **Eye protection:** Safety glasses
- **Body protection:** Not required

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Granulate
Colour:	Different according to colouring
Odour:	Nearly odourless
- **Change in condition**

Melting point/Melting range:	$> 80^{\circ}\text{C}$
Boiling point/Boiling range:	Dec. $^{\circ}\text{C}$
- **Flash point:** n.a.  $^{\circ}\text{C}$
- **Self-igniting:** Product is not selfigniting.
- **Density at 20°C:**  $\sim 1.90 - 2.10$  g/cm<sup>3</sup>
- **Bulk density at 20°C:**  $\sim 850 - 1050$  kg/m<sup>3</sup>
- **Solubility in / Miscibility with water:** Insoluble.
- **Other information** No further relevant information available.
- **VOC European Union %** 0 %
- **VOC Swiss** 0 % VOCV 08.10.02

### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Danger of forming toxic pyrolysis products.

GB

(Contd. on page 5)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 17.07.2012

Vers.-no.: 1

Revision: 17.07.2012

Trade name: SI 4554-476, SI 4554-481

(Contd. of page 4)

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:**  
No irritating effect.  
Mechanical irritation possible
- **Chronic toxicity:**  
Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.
- **Additional toxicological information:**  
After years of appropriate handling, no health problems have been observed.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Degree of elimination:**
- **Classification:**  
Biodegrades easily.  
Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** The bioaccumulation potential is considered to be negligible
- **Mobility in soil** No further relevant information available.
- **Other information:** Do not let it reach any body of water
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Water hazard class 1 (Self-assessment): slightly hazardous for water ( Germany )  
According to appendix 4 VwVwS ( German regulation )
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation :**  
Disposal considering to the local / regional / national / international regulations. Details have to be arranged with the authority concerned and / or the local waste management enterprise.
- **Uncleaned packaging:**
- **Recommendation:**  
Non contaminated packagings may be recycled.

(Contd. on page 6)

GB

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

Printing date 17.07.2012

Vers.-no.: 1

Revision: 17.07.2012

Trade name: SI 4554-476, SI 4554-481

(Contd. of page 5)

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

**14 Transport information**

· <b>UN-Number</b>	
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b>	
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b>	
· <b>ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>Packing group</b>	
· <b>ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	-

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **IARC ( International Agency for the Research on Cancer )** None of the ingredients is listed.
- **EEC, Europe, EEC Directive 273/2004 Drugs** None of the ingredients is listed.
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Precautionary statements**
  - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
  - P281 Use personal protective equipment as required.
  - P309 IF exposed or if you feel unwell:
  - P314 Get medical advice/attention if you feel unwell.
  - P401 Store in accordance with local/regional/national/international regulations.
  - P402 Store in a dry place.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **National regulations:**
- **Information about limitation of use:**
  - Employment restrictions concerning juveniles must be observed.
  - Employment restrictions concerning pregnant and lactating women must be observed.
- **Breakdown regulations:** Breakdown Directive : Not Part of Annex 1 ( German Regulation )

(Contd. on page 7)

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

Printing date 17.07.2012

Vers.-no.: 1

Revision: 17.07.2012

**Trade name: SI 4554-476, SI 4554-481**

(Contd. of page 6)

- **Technical instructions (air):**
- **Paragraph : / Class : 5,2,1**
- **Other regulations, limitations and prohibitive regulations**
- **BGV (Employer's Liability Insurance Directives) : (Germany)**  
Consider BG-device " Static electrification" (Germany)
- **Substances of very high concern (SVHC) according to REACH, Article 57**
- **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. Further product information see under technical data sheet*

- **Department issuing MSDS:** Chemical division/Health and safety department
- **Contact:** Dr. Ohler ( [GOhler@raschig.de](mailto:GOhler@raschig.de) ) / Mr. Reinke ( [RReinke@raschig.de](mailto:RReinke@raschig.de) )
- **Abbreviations and acronyms:**  
*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*  
*ICAO: International Civil Aviation Organization*  
*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 Harmonized System of Classification and Labelling of Chemicals*
- **\* Data compared to the previous version altered.**

GB