

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

- **Product identifier**
- **Trade name:** *SI 4552-388, SI 4552-372*
- **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**
.....
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
.....
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
Not applicable.
.....
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **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**
The product is classified and labelled according to the CLP regulation.

(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 4552-388, SI 4552-372

(Contd. of page 1)

- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements**
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
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:**

CAS: 598-63-0 EINECS: 209-943-4	lead carbonate T Repr. Cat. 1, 3 R61; Xn R62-20/22; N R50/53 R33 ----- Repr. 1A, H360Df; STOT RE 2, H373 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute Tox. 4, H302; Acute Tox. 4, H332	< 0.5%
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- **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.

GB

(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 4552-388, SI 4552-372

(Contd. of page 2)

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.
- **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**
Take precautionary measures against static discharges.
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.
- **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.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

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Vers.-no.: 1

Revision: 17.07.2012

Trade name: SI 4552-388, SI 4552-372

(Contd. of page 3)

- **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.
- **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: ≥ 0.11 mm
- **Penetration time of glove material** Penetration time ≥ 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
- **pH-value (500 g/l) at 20°C:** 6 - 9 (Suspension, 12 h 20°C)
- **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/cm³
- **Bulk density at 20°C:** $\sim 850 - 1050$ kg/m³
- **Solubility in / Miscibility with water:** Insoluble.
- **Other information** Dissoluble lead : 0.00006 %
- **VOC USA** 0 %, ASTM 2369
- **VOC European Union %** 0 %
- **VOC Swiss** 0 % VOCV 08.10.02

GB

(Contd. on page 5)

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

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Vers.-no.: 1

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Trade name: SI 4552-388, SI 4552-372

(Contd. of page 4)

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.

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:**
Not readily biodegradable.
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.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

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Vers.-no.: 1

Revision: 17.07.2012

Trade name: SI 4552-388, SI 4552-372

(Contd. of page 5)

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

14 Transport information

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

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**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements**
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

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(Contd. of page 6)

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 I (German Regulation)

· **Technical instructions (air):**

· **Paragraph : / Class :**

5,2,1

5,2,2 Germany

· **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.

· **Relevant phrases**

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H360Df May damage the unborn child. Suspected of damaging fertility.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

R20/22 Harmful by inhalation and if swallowed.

R33 Danger of cumulative effects.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R61 May cause harm to the unborn child.

R62 Possible risk of impaired fertility.

· **Department issuing MSDS:** Chemical division/Health and safety department

· **Contact:** Dr. Ohler (GOhler@raschig.de) / Mr. Reinke (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.**