

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

- **Product identifier**
- **Trade name:** AMC 2557-404, AMC 2557-405, AMC 2557-450
- **Article number:** 3000000102
- **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
- **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.
- **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
- **Signal word** Void
- **Hazard statements** Void
- **Precautionary statements**  
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.

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# Safety data sheet

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

Printing date 14.06.2013

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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:** Polyester moulding compound (UP) - without styrene, low dust granules
- **Dangerous components:** Void
- **SVHC** Does not contain SVHC substances
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 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:** CO<sub>2</sub>, 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.

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- **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**  
Prevent formation of dust.  
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.
- **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:  $\geq 0.11$  mm
- **Penetration time of glove material** Penetration time  $\geq 8$  h

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- **Eye protection:** Safety glasses
- **Body protection:** Not required

### 9 Physical and chemical properties

#### · Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

- |                |                                  |
|----------------|----------------------------------|
| <b>Form:</b>   | Granulate                        |
| <b>Colour:</b> | Different according to colouring |
| <b>Odour:</b>  | Nearly odourless                 |

#### · Change in condition

- |                                     |         |
|-------------------------------------|---------|
| <b>Melting point/Melting range:</b> | >80 °C  |
| <b>Boiling point/Boiling range:</b> | Dec. °C |

- |                     |         |
|---------------------|---------|
| <b>Flash point:</b> | n.a. °C |
|---------------------|---------|

- |                       |                              |
|-----------------------|------------------------------|
| <b>Self-igniting:</b> | Product is not selfigniting. |
|-----------------------|------------------------------|

- |                          |                               |
|--------------------------|-------------------------------|
| <b>Density at 20 °C:</b> | 2.00 - 2.20 g/cm <sup>3</sup> |
|--------------------------|-------------------------------|

- |                               |                              |
|-------------------------------|------------------------------|
| <b>Bulk density at 20 °C:</b> | 750 - 1000 kg/m <sup>3</sup> |
|-------------------------------|------------------------------|

#### · Solubility in / Miscibility with water:

Insoluble.

- |                          |  |
|--------------------------|--|
| <b>Other information</b> | No further relevant information available. |
|--------------------------|--|

- |                             |     |
|-----------------------------|-----|
| <b>VOC European Union %</b> | 0 % |
|-----------------------------|-----|

### 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

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- **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.*
- **Other information:** *The product is difficultly biodegradable.*
- **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.*  
*Packagings that may not be cleansed are to be disposed of in the same manner as the product.*

## 14 Transport information

- |   |      |
|---|------|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>ADR, ADN, IMDG, IATA</b></li> </ul>               | Void |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>ADR, ADN, IMDG, IATA</b></li> </ul> | Void |

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· <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**
  - 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.
  - 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 )
- **Technical instructions (air):**
- **Paragraph : / Class :**
  - 5,2,1 / Germany ( German regulation )
  - 5,2,2
- **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.

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### **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 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.**

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