

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

Printing date 15.06.2016

Vers.-no.: 1

Revision: 19.11.2013

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

- **1.1 Product identifier**
- **Trade name:** EP 3535-355, EP 3535-381, EP 3535-382, EP 3535-400, EP 3535-403, EP 3535-475, EP 3535-482, EP 3535-572, EP 3535-582, EP 3535-975-A
- **Article number:** .
- **REACH Registration number**
REACH-registration for preparations is unnecessary. The ingredients are registered or preregistrated.
- **1.2 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 mixture** Raw material for plastics
- **1.3 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 : msds@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)
CHEMTREC China: 4001-204937
CHEMTREC Japan: +(81) 345209637
CHEMTREC Korea : Local Number: +(82)-070-7686-0086, Toll Free Number: 00-308-13-2549

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The substance is not subject to classification according to the CLP Regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

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

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Epoxy moulding compound
- **Dangerous components:** Void
- **SVHC** Does not contain SVHC substances

SECTION 4: First aid measures

- **4.1 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.
- **4.2 Most important symptoms and effects, both acute and delayed**
 - No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
 - No further relevant information available.

SECTION 5: Firefighting measures

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

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· **Additional information**

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

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid formation of dust.

· **6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.**

· **6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

· **6.4 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.

SECTION 7: Handling and storage

· **7.1 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.

· **7.2 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

· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 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.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Do not inhale dust.

Don't smoke

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- **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 FFP1
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

SECTION 9: Physical and chemical properties

- **9.1 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 °C
Boiling point/Boiling range:	Dec. °C
- **Flash point:** n.a. °C
- **Self-igniting:** Product is not selfigniting.
- **Density at 20 °C:** $\sim 1.95 - 2.10$ g/cm³
- **Bulk density at 20 °C:** $\sim 850 - 1000$ kg/m³
- **Solubility in / Miscibility with water:** Insoluble.
- **9.2 Other information** No further relevant information available.
- **VOC USA** 0 %, ASTM 2369
- **VOC European Union %** 0 %
- **VOC Swiss** 0 % VOCV 08.10.02

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.

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- **10.6 Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Danger of forming toxic pyrolysis products.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Mechanical irritation possible
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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.
- **Sensitisation** Contains no allergenic substances known in epoxy resins.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 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.
- **12.3 Bioaccumulative potential** The bioaccumulation potential is considered to be negligible
- **12.4 Mobility in soil** No further relevant information available.
- **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)
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations

- **13.1 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.

SECTION 14: Transport information

- | | |
|--|-----------------|
| · 14.1 UN-Number | |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name | |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **TSCA (Toxic Substances Control Act):**
All ingredients are listed.
- **Australian Inventory of Chemical Substances**
None of the ingredients is listed.
- **SWISS**
None of the ingredients is listed.
- **Japan, ENCS Existing and New Chemical Substance List**
None of the ingredients is listed.

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· **Korea, KECI Korean Existing Chemical Inventory Korea**

None of the ingredients is listed.

· **Taiwan Toxic Chemical Substances List**

None of the ingredients is listed.

· **IARC (International Agency for the Research on Cancer) None of the ingredients is listed.**

· **DSL Domestic Substances List, NDSL Non-Domestic Substances List**

None of the ingredients is listed.

· **Philippines Inventory of Chemicals and Chemical Substances**

All ingredients are listed.

· **NZIoC, New Zealand Inventory of Chemicals**

All ingredients are 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 I (German Regulation)**

· **Technical instructions (air):**

· **Paragraph : / Class :**

5.2.1 / Germany (German regulation)

5.2.2 Germany

· **Other regulations, limitations and prohibitive regulations**

· **BGV (Employer's Liability Insurance Directives) : (Germany) -**

· **BG-Device : (Germany) Consider BG-device " Static electrification" (Germany)**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

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

SECTION 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 SDS: Chemical division/Health and safety department**

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· **Contact:** *msds@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 Organisation

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 Harmonised System of Classification and Labelling of Chemicals

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)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

· *** Data compared to the previous version altered.**

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