

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

- **Product identifier**
- **Trade name:** *EP 3505-375, EP 3505-376, EP 3505-443*
- **Article number:**
- **Registration number**
REACH-registration for preparations is unnecessary. The ingredients are registered or preregistrated.
- **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.*
- **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*

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.07.2012

Vers.-no.: 1

Revision: 10.07.2012

Trade name: EP 3505-375, EP 3505-376, EP 3505-443

(Contd. of page 1)

- **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:** Epoxy 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

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Vers.-no.: 1

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Trade name: EP 3505-375, EP 3505-376, EP 3505-443

(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:** 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.
- **Respiratory protection:**
Use suitable respiratory protective device in case of insufficient ventilation.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

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(Contd. of page 3)

- *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

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:** $\sim 1.80 - 2.00$ g/cm³
- **Bulk density at 20°C:** $\sim 850 - 1000$ kg/m³
- **Solubility in / Miscibility with water:** Insoluble.
- **Other information** No further relevant information available.
- **VOC European Union %** 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.

GB

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

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Revision: 10.07.2012

Trade name: EP 3505-375, EP 3505-376, EP 3505-443

(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:**
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.
- **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

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Trade name: EP 3505-375, EP 3505-376, EP 3505-443

(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

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

(Contd. on page 7)

GB

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

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Vers.-no.: 1

Revision: 10.07.2012

Trade name: EP 3505-375, EP 3505-376, EP 3505-443

(Contd. of page 6)

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**
- **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) / 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.**

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