

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.04.2016

Vers.-no.: 1

Revision: 21.04.2016

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

- **1.1 Product identifier**
- **Trade name:** EP 3572-391, EP 3572-474, EP 3572 SER 7242
- **Article number:** 3000000135
- **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:**
Division Plastics/QMK
Tel. ++49(0)621/5618-359
Fax ++49(0)621/5618-357
Contact: msds-plastics@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**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2 H319 Causes serious eye irritation.
 Skin Sens. 1 H317 May cause an allergic skin reaction.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.

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- **Hazard pictograms**



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- **Signal word** Warning

- **Hazard-determining components of labelling:**

Poly(Bisphenol A-co-epichlorohydrin) glycidyl end-capped tetrabromophthalic anhydride

- **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

- **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 resin moulding material

- **Dangerous components:**

CAS: 25036-25-3 -- RTECS: -	Poly(Bisphenol A-co-epichlorohydrin) glycidyl end-capped ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	10-<20%
CAS: 632-79-1 EINECS: 211-185-4 RTECS: TI3350000	tetrabromophthalic anhydride ⚠ Skin Sens. 1, H317	10-<25%

- **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:** If skin irritation continues, consult a doctor.

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- **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**
Hydrohalogens
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.
- **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.

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- **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.
- **DNELs**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace, currently derivation of DNEL's isn't required in such cases.
- **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
- **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

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· Flash point:	n.a. °C
· Self-igniting:	Product is not selfigniting.
· Density at 20 °C:	~ 2.20 - 2.30 g/cm ³
· Bulk density at 20 °C:	~ 1000 - 1150 kg/m ³
· Solubility in / Miscibility with water:	Insoluble.
· 9.2 Other information	No further relevant information available.
· 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.
- **10.6 Hazardous decomposition products:**
Hydrohalogens
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**
Causes skin irritation.
- **Serious eye damage/irritation**
Mechanical irritation possible
Causes serious eye irritation.
- **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
- **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.
- **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.

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- **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.

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.
- **Waste disposal key:**
Depending on the application intended by the consumer, the allocation of waste codes according to the European waste catalogue has to be carried out in agreement with the waste disposal company and the authority.
- **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

- | | |
|--|------|
| <ul style="list-style-type: none"> · 14.1 UN-Number · ADR, ADN, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA | Void |

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- | | |
|--|-----------------|
| · 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.

- **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**

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· **Hazard pictograms**

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· **Signal word** Warning· **Hazard-determining components of labelling:**

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· **Hazard statements**

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· **Precautionary statements**

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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)

5.2.2 Germany

· **Other regulations, limitations and prohibitive regulations**· **BGV (Employer's Liability Insurance Directives) : (Germany) -**· **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

· **Relevant phrases**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

· **Department issuing SDS:**

Chemical division/Health and safety department

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Plastics division/Health and safety department

· **Contact:** *msds-plastics@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)

DNEL: Derived No-Effect Level (REACH)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

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

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