

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

Printing date 04.01.2017

Vers.-no.: 1

Revision: 04.01.2017

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

- **1.1 Product identifier**
- **Trade name:** PiMC 1241 -1030 -294 -338 -351 -407 -436 -458 -472 -607 -610 -616 -618 -620 -621 -627 -628 -623 -627 -670 -686 PiMC 1249 - 291 - 292 -298 -299 -406 -411 -413 -425 -600
- **Article number:** 3000000216
- **EINECS Number:** -
- **Index 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** *Multicomponent coating material*
- **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**



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Skin Sens. 1 H317 May cause an allergic skin reaction.

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



GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**
tert-butyl perbenzoate
- **Hazard statements**
H317 May cause an allergic skin reaction.
- **Precautionary statements**
 - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 - P243 Take precautionary measures against static discharge.
 - 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+P404 Store in a dry place. Store in a closed container.
 - 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:** Resin mixture with colouring agents

- **Dangerous components:**

CAS: 614-45-9 EINECS: 210-382-2 RTECS: SD 9450000	tert-butyl perbenzoate ----- ☠ Self-react. C, H242 ☠ Aquatic Acute 1, H400 ! Acute Tox. 4, H332; Skin Irrit. 2, H315; Skin Sens. 1, H317 Aquatic Chronic 3, H412	1-<2.5%
CAS: 128-37-0 EINECS: 204-881-4 RTECS: GO 7875000	2,6-di-tert-butyl-p-cresol ----- ☠ Aquatic Chronic 1, H410	0.1-<0.25%

- **SVHC** Does not contain SVHC substances

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· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
 - Personal protection for the First Aider.
 - Immediately remove any clothing soiled by the product.
 - Take affected persons out of danger area and lay down.
 - Position and transport stably in side position.
 - Artificial respiration with respiration bag or respirator
- **After inhalation:**
 - Take affected persons into fresh air and keep quiet.
 - Call a doctor immediately.
 - Supply fresh air.
 - Seek medical treatment in case of complaints.
- **After skin contact:**
 - Immediately wash with water and soap and rinse thoroughly.
 - If skin irritation continues, consult a doctor.
- **After eye contact:**
 - Rinse opened eye for several minutes under running water. Then consult a doctor.
 - In case of irritation consult an oculist .
- **After swallowing:**
 - Rinse out mouth and then drink plenty of water.
 - Vomiting, possible danger of aspiration, keep breathing passages free
 - Do not induce vomiting; call for medical help immediately.
 - Call a doctor immediately.
 - Induce vomiting only, if affected person is fully conscious.
 - Seek medical treatment.
- **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**
 - Nitrogen oxides (NO_x)
 - Hydrogen cyanide (HCN)
 - Sulphur oxides (SO_x)
 - Carbon monoxide and carbon dioxide
 - Danger of forming toxic pyrolysis products.
- **5.3 Advice for firefighters**
- **Protective equipment:**
 - Wear fully protective suit.
 - Do not inhale explosion gases or combustion gases.

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- 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**
Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.
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.
Ensure adequate ventilation.
- **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**
Provide suction extractors if dust is formed.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Decant and handle the product in dust-proof units.
Development and deposition of dust has to be avoided.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
No special measures required.
Protect against electrostatic charges.
Dust can combine with air to form an explosive mixture.
- **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:**
Do not store together with strong acids, alkalines and oxidation agents
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.
- **Recommended storage temperature:** At 15 °C to 25 °C
- **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:**
No further data; see item 7.
Take appropriate measures against dust.
- **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 gases / fumes / aerosols / dust.
Immediately remove all soiled and contaminated clothing.
Avoid contact with the eyes and skin.
Do not inhale dust.
Don't smoke
Store protective clothing separately.
- **Respiratory protection:**
Use suitable respiratory protective device in case of insufficient ventilation.
Not necessary if room is well-ventilated.
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **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
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Not suitable are gloves made of the following materials:**
Leather gloves
Strong material gloves
- **Eye protection:**
Tightly sealed goggles
Safety glasses
- **Body protection:** Not required

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SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:	Powder
Colour:	Different according to colouring
Odour:	Nearly odourless
Odour threshold:	Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

Melting point/Melting range:	~ 80 - 90 °C
Boiling point/Boiling range:	Dec. °C

· **Flash point:** n.a. °C

· **Flammability (solid, gaseous):** Not determined.

· **Ignition temperature:**

Decomposition temperature: Not determined.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Not determined.

· **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

· **Vapour pressure:** Not applicable.

· **Density at 20 °C:** ~ 1.30 - 1.50 g/cm³

· **Bulk density at 20 °C:** ~ 600 - 750 kg/m³

· **Relative density** Not determined.

· **Vapour density** Not applicable.

· **Evaporation rate** Not applicable.

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

Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

Dynamic: Not applicable.

Kinematic: Not applicable.

· **9.2 Other information** No further relevant information available.

· **VOC USA** 0 %, ASTM 236969

· **VOC European Union** 0 %

· **VOC Swiss** 0 % VOCV 08.10.0202

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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** Reacts with strong acids, alkalines and oxidizing agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
Nitrogen oxides (NO_x)
Hydrogen cyanide (prussic acid)
Sulphur oxides (SO_x)
Carbon monoxide and carbon dioxide
Danger of forming toxic pyrolysis products.
- **Additional information:** No further relevant information available.

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**
OECD 406
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:**
No toxicological data are available.
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.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No data available.
- **12.2 Persistence and degradability** No further relevant information available.

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- **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:** *No data available.*
- **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:**
According to appendix 4 VwVwS (German regulation)
Do not allow product to reach ground water, water course or sewage system.
- **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.
- **Recommended cleansing agents:** *Water, if necessary together with cleansing agents.*

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 |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | Void |

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· 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.
· Transport/Additional information:	Not dangerous according to the above specifications.
· 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.

- **IARC (International Agency for the Research on Cancer) Only when colored in black.**

- **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**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



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- **Signal word** Warning

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

tert-butyl perbenzoate

- **Hazard statements**

H317 May cause an allergic skin reaction.

- **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P243 Take precautionary measures against static discharge.

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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P402+P404 Store in a dry place. Store in a closed container.

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)**
Consider BG-device " Static electrification" (Germany)
- **BG-Device : (Germany)**
Leaflet : M 004 " Irritating / Corrosive Chemicals " German Employers' Liability (Compulsory Insurance)
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

By using suitable industrial safety precautions, it is paramount to make sure that the relevant exposition measures at the work place are adhered to, and negative health effects are avoided.

- **Relevant phrases**
Full wording of the in point 2 and 3 of the technical data sheets mentioned number codes relevant sentences. These statements are supposed to help the user decodes the contents. The danger guidelines for these products are solely found in point 3 or point 15 of the safety data sheets.
H242 Heating may cause a fire.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
- **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

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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

Self-react. C: Self-reactive substances and mixtures – Type C/D

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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