

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

- **Product details**
- **Trade name:** PiMC 1251-447, PiMC 1251-453, PiMC 1251-454, PiMC 1251-463, PiMC 1251-477, PiMC 1251-508, PiMC 1251-513, PiMC 1251-544
- **Registration number**  
REACH-registration for preparations is unnecessary. The ingredients are registered or preregistrated.
- **Application of the substance / the preparation** Multicomponent coating material
- **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
- **Information in case of emergency:**  
Tel.: ++49(0)621/5618-413/414, 24 hours ( Plant fire department )  
Chemtrec International + 1-703-527-3887, 24 h

## 2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**  
Not a hazardous material, according to EU guide lines/Dangerous goods regulations
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **GHS label elements** Void
- **Response:**  
IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- **Storage:**  
Store in accordance with local/regional/national/international regulations.
- **Disposal:**  
Dispose of contents/container in accordance with local/regional/national/international regulations.

## 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Resin mixture with colouring agents
- **Dangerous components:** Void
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 4 First-aid measures

- **General information:** No special measures required.

# Safety Data Sheet

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

Printing date 05.03.2009

Vers.-no.: 1

Revision: 04.03.2009

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- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
In case of irritation consult an oculist .
- **After swallowing:** Rinse out mouth and then drink plenty of water.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
Carbon monoxide and carbon dioxide  
Danger of forming toxic pyrolysis products.
- **Protective equipment:**  
Wear fully protective suit.  
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

- **Person-related safety precautions:** Avoid formation of dust.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Pick up mechanically.  
Dispose contaminated material as waste according to item 13.

### 7 Handling and storage

- **Handling:**
- **Information 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:**  
Protect against electrostatic charges.  
Dust can combine with air to form an explosive mixture.
- **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:** 10-20°C

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:**  
Take appropriate measures against dust.

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- **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.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Do not inhale dust.  
don't smoke.
- **Respiratory protection:**  
Not necessary if room is well-ventilated.  
Use suitable respiratory protective device in case of insufficient ventilation.
- **Recommended filter device for short term use:** Filter FFP1
- **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
- **Eye protection:** Safety glasses

### 9 Physical and chemical properties

#### · General Information

<b>Form:</b>	Powder
<b>Colour:</b>	Different according to colouring
<b>Odour:</b>	Nearly odourless

#### · Change in condition

<b>Melting point/Melting range:</b>	80-90°C
<b>Boiling point/Boiling range:</b>	Dec. °C

· **Flash point:** n.a. °C

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

· **Density at 20°C:** 1.3-1.5 g/cm<sup>3</sup>

· **Bulk density at 20°C:** 600-750 kg/m<sup>3</sup>

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

· **Additional information:**  
**VOC European Union %** 0 %

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:**  
Carbon monoxide and carbon dioxide

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*Danger of forming toxic pyrolysis products.*

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:**  
No irritating effect.  
Mechanical irritation possible
- **Additional toxicological information:**  
*After years of appropriate handling, no health problems have been observed.*

### 12 Ecological information

- **Other information:** *The product is difficultly biodegradable.*
- **Behaviour in environmental systems:**
- **Mobility and bioaccumulation potential:**  
*The bio accumulation potential is considered to be negligible*
- **Other information:** *Do not let it reach any body of water*
- **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 )*

### 13 Disposal considerations

- **Product:**
- **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

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

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· UN "Model Regulation": -

### 15 Regulatory information

- **Labelling according to EU guidelines:**  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Safety phrases:**  
22 Do not breathe dust.
- **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
- **Other regulations, limitations and prohibitive regulations**
- **BG-Device : ( Germany )** Consider BG-device " Static electrification" (Germany)
- **Substances of very high concern (SVHC) according to REACH, Article 57**

### 16 Other information

Further product information see under technical data sheet  
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 ) / Mr. Reinke ( RReinke@raschig.de )
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Reglement internationale concernent le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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