

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

- **Product details**
- **Trade name:** DAP 5561-033
- **Application of the substance / the preparation** Raw material for plastics
- **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 )

## 2 Hazards identification

- **Hazard description:** 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.
- **GHS label elements** Void
- **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:** Diallylphthalate moulding compound
- **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.
- **After inhalation:** Supply fresh air.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
 Rinse opened eye for several minutes under running water.  
 In case of irritation consult an oculist .
- **After swallowing:** Rinse out mouth and then drink plenty of water.

# Safety Data Sheet

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

Printing date 06.02.2009

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### 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  
Hydrohalogens  
Danger of forming toxic pyrolysis products.
- **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.

### 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:**  
Substance/product is self extinguishing, but can burn when combined with flammable material.
- **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

### 8 Exposure controls/personal protection

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

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- Use suitable respiratory protective device in case of insufficient ventilation.
- **Recommended filter device for short term use:** Filter FFP2
- **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
- **Body protection:** Not required

### 9 Physical and chemical properties

#### · General Information

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

#### · Change in condition

<b>Melting point/Melting range:</b>	$>80^{\circ}\text{C}$
<b>Boiling point/Boiling range:</b>	Dec. $^{\circ}\text{C}$

· **Flash point:** n.a.  $^{\circ}\text{C}$

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

· **Density at 20°C:** 1.80-2.00 g/cm<sup>3</sup>

· **Bulk density at 20°C:** 750-900 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  
Hydrohalogens  
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

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- **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:** -
- **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).  
Observe the general safety regulations when handling chemicals.*
- **National regulations:**
- **Information about limitation of use:**  
*Employment restrictions concerning juveniles must be observed.*

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*Employment restrictions concerning pregnant and lactating women must be observed.*

- **Technical instructions (air):**
- **Paragraph : / Class : 5,2,1**
- **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**

### 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.*

- **Relevant R-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.*
- **Department issuing MSDS:** Chemical division/Health and safety department
- **Contact:** Dr. Ohler ( [GOhler@raschig.de](mailto:GOhler@raschig.de) ) / Mr. Reinke ( [RReinke@raschig.de](mailto: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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