

## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 5.0 Revision Date 18.05.2012

Print Date 14.06.2016

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifiers

Product name : Polybutenes

Product Number : 388696

Brand : Aldrich

CAS-No. : 9003-29-6

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

#### 1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich Chemie GmbH  
Riedstrasse 2  
D-89555 STEINHEIM

Telephone : +49 89-6513-1444

Fax : +49 7329-97-2319

E-mail address : eurtechserv@sial.com

#### 1.4 Emergency telephone number

Emergency Phone # : +49 7329-97-2323

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

#### 2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

#### 2.3 Other hazards - none

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Formula : C<sub>8</sub>H<sub>16</sub>

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

##### In case of skin contact

Wash off with soap and plenty of water.

##### In case of eye contact

Flush eyes with water as a precaution.

##### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

- 4.2 **Most important symptoms and effects, both acute and delayed**
- 4.3 **Indication of any immediate medical attention and special treatment needed**  
no data available

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## 5. **FIREFIGHTING MEASURES**

### 5.1 **Extinguishing media**

#### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 **Special hazards arising from the substance or mixture**

Carbon oxides

### 5.3 **Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

### 5.4 **Further information**

no data available

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## 6. **ACCIDENTAL RELEASE MEASURES**

### 6.1 **Personal precautions, protective equipment and emergency procedures**

Avoid breathing vapors, mist or gas.

### 6.2 **Environmental precautions**

Do not let product enter drains.

### 6.3 **Methods and materials for containment and cleaning up**

Keep in suitable, closed containers for disposal.

### 6.4 **Reference to other sections**

For disposal see section 13.

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## 7. **HANDLING AND STORAGE**

### 7.1 **Precautions for safe handling**

Normal measures for preventive fire protection.

### 7.2 **Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### 7.3 **Specific end uses**

no data available

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## 8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

### 8.1 **Control parameters**

#### **Components with workplace control parameters**

### 8.2 **Exposure controls**

#### **Appropriate engineering controls**

General industrial hygiene practice.

#### **Personal protective equipment**

##### **Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

### **Body Protection**

impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **Respiratory protection**

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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

- |   |                          |
|---|--------------------------|
| a) Appearance                                   | Form: liquid             |
| b) Odour  | no data available        |
| c) Odour Threshold                              | no data available        |
| d) pH   | no data available        |
| e) Melting point/freezing point                 | no data available        |
| f) Initial boiling point and boiling range      | no data available        |
| g) Flash point                                  | > 113,00 °C - closed cup |
| h) Evaporation rate                             | no data available        |
| i) Flammability (solid, gas)                    | no data available        |
| j) Upper/lower flammability or explosive limits | no data available        |
| k) Vapour pressure                              | no data available        |
| l) Vapour density                               | no data available        |
| m) Relative density                             | 0,89 g/mL at 25 °C       |
| n) Water solubility                             | no data available        |
| o) Partition coefficient: n-octanol/water       | no data available        |
| p) Autoignition temperature                     | no data available        |
| q) Decomposition temperature                    | no data available        |
| r) Viscosity                                    | no data available        |
| s) Explosive properties                         | no data available        |
| t) Oxidizing properties                         | no data available        |

### **9.2 Other safety information**

no data available

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## **10. STABILITY AND REACTIVITY**

### **10.1 Reactivity**

no data available

### **10.2 Chemical stability**

no data available

### **10.3 Possibility of hazardous reactions**

no data available

- 10.4 Conditions to avoid**  
no data available
- 10.5 Incompatible materials**  
Strong oxidizing agents
- 10.6 Hazardous decomposition products**  
Other decomposition products - no data available

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**11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute toxicity**  
no data available

**Skin corrosion/irritation**  
no data available

**Serious eye damage/eye irritation**  
no data available

**Respiratory or skin sensitization**  
no data available

**Germ cell mutagenicity**  
no data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**  
no data available

**Specific target organ toxicity - single exposure**  
no data available

**Specific target organ toxicity - repeated exposure**  
no data available

**Aspiration hazard**  
no data available

**Potential health effects**

<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Eyes</b>	May cause eye irritation.

**Additional Information**  
RTECS: EM9032000

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**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**  
no data available

**12.2 Persistence and degradability**  
no data available

**12.3 Bioaccumulative potential**  
no data available

**12.4 Mobility in soil**  
no data available

**12.5 Results of PBT and vPvB assessment**  
no data available

## 12.6 Other adverse effects

no data available

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## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### Contaminated packaging

Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

### 14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

### 14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

### 14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

### 14.6 Special precautions for user

no data available

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## 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

### 15.2 Chemical Safety Assessment

no data available

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## 16. OTHER INFORMATION

### Further information

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