

# POCH Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH). Creation date / last update: 2002-10-15 / 2005-04-21

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

### **BARIUM SULFATE**

Catalogue Numbers: *pure p. a.-159530111*;

Use of the substance / preparation: *analytical reagent*

POCH SA

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## 2. Hazard identification

*No hazardous product as specified in Directive 67/548/EEC.*

## 3. Composition/information on ingredients

CAS-No.: 7727-43-7

Molecular mass: 233.4

Molecular formula:  $BaSO_4$

WE Number: 231-784-4

## 4. First aid measures

After eye contact: *rinse out with water.*

## 5. Fire-fighting measures

Suitable extinguishing media: *in adaption to materials stored in the immediate neighbourhood*

Special risk: *no further requirements*

Special protective equipment for fire fighting: *Development of hazardous gases possible in the event of fire: sulfur oxide.*

Other information: *non-combustible*

Prevent fire-fighting water from entering surface water or groundwater. Cool container with spray water from a safe distance.

Contain escaping vapours with water.

## 6. Accidental release measures

*Take up dry. Forward for disposal. Clean up affected area.*

## **BARIUM SULFATE**

### **7. Handling and storage**

Handling: *Use with adequate ventilation. Use of the basic principles of Industrial Hygiene. Use according to good industry practice. Work under hood. Do not inhale substance. Do not empty into sewerage system. Use protective equipment according to p.8. Avoid skin contact.*

Storage: *tightly closed. Dry place. at +15 to 25 deg C.*

### **8. Exposure controls/personal protection**

Specific control parameter: *barium salts as Ba - max. workplace conc.: 0,5 mg/m<sup>3</sup>, peak limit: 1,5 mg/m<sup>3</sup>.*

*Provide exhaust ventilation. Ensure the eye wash station and safety showers. Protective equipment should be selected for the working place, depending on concentration and quantity of the hazardous product handled. The resistance of the protective clothing to chemicals should be ascertained with respective supplier.*

Personal protective equipment:

respiratory protection: *required when dusts are generated - respiratory protection*

eye protection: *required - safety goggles.*

hand protection: *no required.*

body protection: *no required.*

industrial hygiene: *immediately change contaminated clothing. Apply skin - protective barrier cream. Wash hands and face after working with substance.*



### **9. Physical and chemical properties**

Form: *solid*

Colour: *white*

Odour: *odourless*

pH value: *~ 7 (50 g/l H<sub>2</sub>O as suspension, 20°C)*

Melting point: *1380°C*

Boiling point: *thermal decomposition: 1580°C*

Autoignition temperature: *not applicable*

Flash point: *not applicable*

Explosion limit: *not applicable*

lower:

upper:

dynamic viscosity:

kinematical viscosity:

Vapour pressure: *not available*

Density: *4,5 g/cm<sup>3</sup> (20°C)*

Bulk density: *~ 700 kg/m<sup>3</sup>*

Solubility:

in water: *< 0,01 g/l*

in organic solvents: *not available*

log P(w/o):

## **BARIUM SULFATE**

### **10. Stability and reactivity**

Conditions to be avoided: *no further requirements*

Substances to be avoided: *phosphorus, powdered aluminium.*

Hazardous decomposition products: *no information available*

Other information: *no further informations*

### **11. Toxicological information**

Toxicological information: *Quantitative data on the toxicity of this product are not available*

Other information: *Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately. The product should be handled with the care usual when dealing with chemicals.*

### **12. Ecological information**

*Due to the poor solubility of the product, no harmful effect on plants and aquatic organisms are to be expected. No ecological problems are to be expected when the product is handled and used with due care and attention.*

### **13. Disposal considerations**

*POCH product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Handle contaminated packing in the same way as the substrate itself. Always contact a permitted waste disposal to assure compliance with all current local, state and federal regulations.*

### **14. Transport information**

ADR Class and package group: *not subject to transport regulations*

UN Number: *not applicable*

Name (acc. to UN): *not applicable*

### **15. Regulatory information**

*Labelling according to EC Directives.*

Symbol: *not applicable;*

R-phrases: *not applicable;*

S-phrases: *not applicable;*

### **16. Other information**

*Reason for alteration: general update.*

*Informations contained in this SDS while accurate to the best knowledge*