

# Material Safety Data Sheet

Version: 003  
 Date of issue: 03-09-18  
 Revise date: 07-02-01



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

Name of the substance/preparation: Polyethylene

Commercial product Name: SYLOTHIX® 51

Indications about the producer/supplier:

**J. RETTENMAIER & SÖHNE GMBH + CO**  
**Fibers designed by Nature**  
**Holzmuehle 1**  
**D-73494 Rosenberg**

**Telefon: +49 79 67/1 52-0**  
**Telefax: +49 79 67/152 222**  
**Information: +49 7967/152 126**  
**In an emergency: +49 7967 152 200**

## 2. Composition/Information on ingredients

Component	CAS-Number	mass share
Polyethylene	9002-88-4	100 %

## 3. Prospective risks

Product dust together with air may develop ignitable and explosive mixtures.

## 4. First aid measures

Inhalation: Fresh air.  
 Skin contact: Wash with water.  
 Eye contact: Flush with water.

## 5. Fire-fighting measures

Suitable extinguishing agents: water spray, foam, CO<sub>2</sub>

## 6. Measures at unintentional liberation

Personal precautions: Respiratory protection, eye protection and hand protection.

Methods for cleaning up: Sweep the spill area, avoid raising dust.

## 7. Handling and storage

Advice on safe handling: Avoid raising dust; vacuum up dust sources, prevent static electric sparks.

Advice on fire and explosion prevention: Earth container to avoid electric sparks, especially in contact with flammable substances.  
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Storage:\* Closed original containers max. 5 years\*  
 Opened containers max. 6 months\*

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## 8. Exposure limit and personal protective equipment

Engineering measures: See 7

Exposure Limits: Polyethylene; UK-OES, 8hr TWA; total inhalable dust 10 mg/m<sup>3</sup>; respirable dust 5 mg/m<sup>3</sup>.

Respiratory protection: When exceeding the Occupational Exposure Limit.

## 9. Physical and chemical properties

tested in accordance with

Form: powder  
Colour: white  
Smell: odourless

pH-value (at 100 g/l H<sub>2</sub>O and 20 °C): 7

Flash point: approx. 200 °C

Dust explosion category: 1

Explosion limits: no data available

Further indications:  
Solubility in water (20 °C): insoluble

## 10. Stability and reactivity

Product dust together with air may develop ignitable and explosive mixtures.

## 11. Information on toxicity

No details on toxicity known.  
Nowadays we know that negative toxicological effects are not to be expected.

## 12. Information on ecological effects

Polyethylene is chemically and biologically inert.  
By the insolubility in water there is a separation at every filtration and sedimentation process.

## 13. Indication about disposal

Disposal: Disposal according to national and local regulations.

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## 14. Information about transport

GGVSee/IMDG-Code: --	UN-NR: --	EmS: --
PG: --	MPO: --	
GGVSE: KL. --	PG: --	RID/ADR: class --
Warning sign: Hazard no.: --	Substance no. --	PG: --
ADNR: Class --	PG: --	Cat. --
		ICAO/IATA-DGR. --

Declaration for land shipment: --  
Declaration for sea shipment: --  
Declaration for shipment by air: --

Other information:  
No hazardous cargo.

## 15. Regulations

Remarks: Is not a dangerous preparation according to EC directive 67/548/EEC ( Classification, packaging and Labeling of dangerous substances) as last amended.

Water danger classification: not water hazardous according to VwVwS (dd 17. May 1999)

International inventory status: TSCA-registered.

## 16. Further information

\* = data have been changed, compared to the previous version

The given particulars are based on our present knowledge and experiences. However, a legally binding guarantee of certain properties cannot be derived from our statements.