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

#### 1.1. Trade name:
- Pall Depth filters

#### 1.2. Application of the product:
Product for solid / liquid separation.

#### 1.3. Name and address of producer/supplier:
- Pall Filtersystems GmbH
- Planiger Str. 137
- 55543 Bad Kreuznach/Germany
- Telephone (switchboard): +49 671 / 8822-0
- Fax: +49 671 / 8822-262
- Quality Assurance: +49 671 / 8822-210
- Order Processing & Shipping: +49 671 / 8822-205

### 2. Health hazard risks

In a dry state, due to mechanical influences resp. improper handling:
- Dust,
- Mostly natural diatomaceous earth dust = Xn - harmful

#### R 48/20
- Harmful: danger of serious damage of health by prolonged exposure through inhalation.

#### S 22
- Do not inhale dust

### 3. Composition / Details about major components

**Chemical characteristics:**
Prefabricated special paperboards (depth filters) on the basis of celluloses, natural diatomaceous earth (CAS-No. 61790-53-2, proportion of crystalline silica < 2% in the form of cristobalite, CAS-No. 14464-46-1, quartz, CAS-No. 14808-60-7), perlite (CAS-No. 93763-70-3) and wet strength agents in foodstuff grade.

The product components are not hazardous in the sense of the decree for hazardous substances.

### 4. First aid measures

No special regulations

### 5. Fire fighting measures

No special regulations

Suitable extinguishing agents: water, foam, CO₂

### 6. Steps to be taken in case of accidental release of material

Wear dust protection mask P 2; Ventilation Non-polluting to the environment

### 7. Handling and storage

#### 7.1. Handling
- No safety-relevant regulations
- Avoid release of dust

#### 7.2. Storage
- Store dry and odourless

### 8. Exposure control / personal protection

#### 8.1. Additional hints regarding technical equipment
In a dry state avoid formation of dust

#### 8.2. Control parameters with regard to work place
- Inhalable dust (formerly total dust): < 4 mg/m³
- Pulmonary alveolae inhalable dust (formerly fine dust): < 0.15 mg/m³, related to cristobalite and quartz

#### 8.3. Personal protection equipment
- Not necessary
- In case of proper handling the limit values as per 8.2. above are not reached

### 9. Physical and chemical properties

#### 9.1. Appearance
- State: solid cardboard
- Colour: yellowish / white
- Odour: odourless; possibly slight paper odour
9.2. Safety-relevant data

- pH-value: N/A
- Changes of state: N/A
- Flash point and flammability: N/A
- Ignition temperature: > 260°C (smouldering temperature)
- Self-ignition: N/A
- Lower and upper explosion limit: N/A
- Vapour pressure: N/A
- Density: approx. 0.3 g cm³

10. Stability and reactivity

- Stable when properly handled and used
- Temperature > 200°C - beginning carbonization
- Avoid contact with hydrofluoric acid (SiO₂-share)

11. Toxicological information

11.1. In case of improper handling of dry sheets possible health hazards by kieselguhr dust and crystalline SiO₂ during long-term exposure

11.2. Please observe item 3 on page 1

11.3. No further negative effects known

12. Ecological information

- No negative effects known
- Non-hazardous product
- The product is insoluble in water

13. Disposal

- Pall depth filters as supplied originally may be disposed of or composted with normal house garbage in accordance with official local regulations. This does not refer to the depth filter sheet after its use. Here, the influence of the filtered product has to be taken into consideration. The waste code No. is to be individually fixed with the waste disposal company!

14. Transport

14.1. Transport overland, by inland waterways, sea or air transport
- Non-hazardous product
- No identification required

14.2. Further specifications
- Protect against damages and contamination

15. Regulatory information

15.1. Identification according to EU- directives: not required
- Hazard designation: not required

15.2. National regulations
- Information regarding employment restrictions: none
- Decree of incidents, decree about inflammable liquids VbF and TA-Luft: N/A
- Water pollution class: non-water polluting in the sense of the VwVwS (official German regulation) dated 17/05/1999.
- Other regulations, restrictions and prohibitive provisions: none

16. Other information

- Suitable for use in the filtration of beverages and chemical/pharmaceutical products in accordance with the instructions for use.
- The above information refer to the original products and are based on our present state of knowledge.
- They are no warranty with regard to quality characteristics.