



Product name: Finex XLPS

Updated 30.8.2016

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Finex XLPS Crosslinked Polystyrene

1.2 Use
Filler for waxes

1.3 Company identification
Finex Oy
A Johnson Matthey Company
Seppolantie 1
FIN-48230 KOTKA
Finland
Tel. +358 10 3277400 Fax. +358 5 2281 180

1.4 Emergency Phone
Contact your local Poison Information Centre, in Finland tel. +358 9 471 977

2. HAZARD IDENTIFICATION

This product has not been classified as hazardous according to the decree (EC) No 1272/2008.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Composition

Polystyrene crosslinked with divinylbenzene

CAS number: 9003-70-7

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact Flush with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

Skin contact Wash thoroughly with soap and water.

Inhalation Dust - Remove from exposure, keep warm and at rest. Give oxygen by face mask if there is difficulty in breathing. If respiration stops or shows signs of failing give artificial respiration. If heart beat absent give external cardiac massage.

Ingestion Wash out mouth with water. Do NOT induce vomiting. If patient develops pain or feels unwell obtain medical attention.

4.2 Potential Health Effects

- Eye Contact** Can cause slight irritation to the eyes.
- Skin Contact** Prolonged or repeated skin contact can cause slight irritation.
- Inhalation** May cause irritation in the respiratory system, if inhaled.
- Ingestion** Ingestion of small amounts of product is unlikely to cause any damage.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Carbon dioxide (CO₂), foam or water fog.

5.2 Special exposure hazards

Irritant/toxic fumes -complex hydrocarbons

5.3 Fire Fighting Procedures

Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. Use protective fire-fighting clothing and self-contained breathing apparatus. If fire-fighting clothing is not available, fight the fire from a sheltered place and/or from a safe distance.

6. ACCIDENTAL RELEASE MEASURES

6.1 Precautions, personal protective equipment and accidental measures

Dust masks, gloves and overalls

6.2 Environmental precautions

Prevent entry into drains, sewers and water courses.

6.3 Decontamination procedures

Dispose of solid as waste.

6.4. References to other sections

Section 8 "Exposure Control and Personal Protection", section 12 "Ecological Information", section 13 "Disposal Considerations"

7. HANDLING AND STORAGE

7.1 Handling

Do not eat, drink or smoke whilst using this product. Use only in well ventilated areas. Avoid breathing dust. Avoid skin and eye contact. Do NOT heat above 150 °C. May cause slippery surfaces.

As with all fine powders, the product may burn/explode under certain conditions i.e. may be subject to dust explosion. Handling equipment should be designed to avoid dust

generation and should be grounded to avoid static discharge. Do not use material in presence of naked flames or incandescent materials.

7.2 Storage

The product may pick up atmospheric moisture in cool conditions. Store in a warm, well-ventilated areas out of direct sunlight and do not expose to temperatures below 10 °C.

7.3 Special Use

There are no instructions for special use.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1 Exposure Limits

No exposure limits determined for the product. The following substance(s) may be released from the product.
Avoid overheating: 150 °C max.

Substance	8 hr. TWA	STEL	Source/Other information
DUST	10 mg/m ³ *	---	EH40/94
DIVINYLBENZENE (OES)	50 mg/m ³	---	EH40/94
STYRENE (MEL)	420 mg/m ³	1050 mg/m ³	EH40/94

* 8 hour TWA total inhalable dust

8.2 Prevention of Exposure

Use in well ventilated areas only. Mechanical handling systems should be designed to minimize dust generation. Handling equipment must be grounded to avoid risk of dust explosion due to static discharge. Efficient local exhaust ventilation, to minimize exposure to dust from product, is strongly recommended. Mechanical methods to minimize exposure must take precedence over personal protective measures.

Hand Protection

Impervious gloves (eg. PVC).

Respiratory Protection

Dust masks

Skin protection

Overalls. A high standard of personal hygiene is essential. Change contaminated clothing and launder before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	small beads
Colour	white
Odour	styrenic
Water solubility	insoluble
Melting point (°C)	not applicable
Vapour pressure (kPa at 20 °C)	negligible

Density (at 20 °C, g/cm³) 1,06
Glass transition range (°C) 100-120

10. STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive in the recommended storage conditions, see section 7.

10.2 Chemical Stability

Stable in the recommended storage conditions, see section 7.

10.3 Possible Dangerous Reactions

No known dangerous reactions.

10.4. Conditions to avoid

Avoid temperatures over 150 °C

10.5 Materials to avoid

No known

10.6 Dangerous Decomposition Products

Irritant/toxic fumes -complex hydrocarbons

11. TOXICOLOGICAL INFORMATION

11.1 Information about Toxicological Effects

Acute Toxicity The product is not known to be acutely toxic.

Skin Irritation Does not normally irritate skin

Severe Eye Damage/Irritation

May cause irritation or abrasion damage due to mechanical effect.

Sensitization of Respiratory System or Skin

The product is not known to cause sensitization.

Mutagenic Effects

There is no evidence of the product being mutagenic.

Carcinogenic Effects

There is no evidence of the product being carcinogenic.

Reproduction Damaging Effects

There is no evidence of the product causing damage for reproduction.

Toxicity to Organs

No toxic effects from single or repeated exposure.

Aspiration Danger

Due to the physical characteristics of it, the product is not expected to cause problems upon aspiration.

12. ECOLOGICAL INFORMATION**12.1 Ecotoxicity**

It is not expected that the product would cause acute toxicity to the environment.

12.2 Permanence and Decomposition

It is expected that the product is inert to the environment. No significant biological degradation expected

12.3 Bioaccumulation Potential

No bioaccumulation expected due to the large molecule weight of the product.

12.4 Mobility in the Soil

It is expected that the product remains in the soil. In water environment it descends and remains in the sediment.

12.5 PBT and vPvB Evaluation Results

Not defined.

12.6 Other Hazardous Effects

No other hazardous effects known for the environment.

13. DISPOSAL CONSIDERATIONS

Local and national decrees must be complied when disposing the product. Products are not considered as hazardous waste material, and they can be disposed of on a municipal landfill

14. TRANSPORT INFORMATION**14.1 UN-Number**

Not applicable

14.2 Proper Shipping Name

See section 1.1

14.3 Hazard Label

Not applicable

14.4 Packing Group

Not applicable

14.5 Environmental Hazards

See section 12.

14.6 Special precautions for use

There are no special precautions.

14.7 Transportation as Separate Cargo According to MARPOL 73/78 Agreement II Appendix and IBC Decrees

Not applicable.

15. REGULATORY INFORMATION

15.1 Health, Safety and Environmental Legislations Considering the Product

Not applicable

15.2. Chemical Safety Evaluation

Not applicable: the product does not require REACH registration.

16. OTHER INFORMATION

The information contained herein relates only to the specific material identified. Finex Oy believes that this information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. Finex Oy urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.