



MATERIAL SAFETY DATA SHEET CHEMICAL SUBSTANCES AND PRODUCTS ACCORDING DIRECTIVE 91/155/EEC

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1 IDENTIFICATION OF SUBSTANCE

Product details:

Trade name: *i-Fil*

Application of the substance / the preparation: Glass Ionomer Cement (powder, liquid)

Manufacturer/Supplier:

UAB Medicinos linija
Karaliaučiaus st. 29
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Further information obtainable from:

- Department Analytical Research/Research & Development/or technical information
- Department Marketing & Sales for distribution of the safety data sheets

Information in case of emergency: +370 698 35538

2 HAZARDS IDENTIFICATION

2.1 effects short-term:

Liquid or high vapour concentration can irritate eyes and respiratory system and cause skin rashes.

2.2 effects long-term, repeated exposure:

Prolonged exposure can lead to headaches, nausea, drowsiness and unconsciousness. Repeated and prolonged overexposure may cause permanent allergic skin rashes.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Compositions given are typical values, not specifications.

<u>Components Name</u>	<u>% Weight</u>	<u>Cas No.</u>	<u>EINECS No.</u>
Polyacrylic Acid	25%-40%	9003-01-4	
Deionised Water	60%-75%		
Glass (Prepared)	<91%		
Polyacrylic Acid Powder	<22%		
Tartaric Acid	<2%	87-69-4	201-766-0
Colouring	<3%		

4 FIRST AID MEASURES

4.1 Inhalation:

Remove to fresh air, rest and keep warm. If irritation persists seek medical attention.

4.2 Skin contact:

Wash thoroughly with soap and water. If irritation persists seek medical attention.

4.3 Eye contact:

Flush with copious amounts of water. If irritation persists seek medical attention.

4.4 Ingestion:

Rinse mouth with water. Drink plenty of water. Do not induce vomiting. If patient feels unwell seek medical attention.

4.5 Emergency Medical Treatment: --

5 FIRE FIGHTING MEASURES

5.1 Use extinguisher suitable to cause of fire and its surroundings.

6 ACCIDENTAL RELEASE MEASURES

Soak excess and transfer into suitable containers for disposal. Wipe residue with a damp cloth and thoroughly rinse to drain. Sweep up excess and transfer into suitable containers for disposal. Wipe residue with a damp cloth and thoroughly rinse to drain.

7 HANDLING AND STORAGE**7.1 Handling:**

Avoid prolonged exposure to the skin. No handling problems are likely to be encountered provided normal safe practice of hygiene are applied.

For powder no handling problems are likely to be encountered provided normal safe practices of hygiene are applied. Avoid raising dust.

7.2 Storage:

Liquid and powder are store in a cool dry place.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**8.1 Occupational Exposure Limits:** N/A**8.2. Personal Protection:**

Respiratory Protection: Dust respirator may be required in extreme cases of dust evolution.

Skin Protection: Overalls, rubber gloves.

Eye Protection: Goggles/eyes shields.

Industrial Hygiene: Wash hands thoroughly after contact with this product.

Others: --

9 PHYSICAL AND CHEMICAL PROPERTIES

<u>General Information:</u>	<u>Form</u>	<u>Form</u>
Physical State at 25°C:	Liquid (Viscous)	Powder
Colour:	Colourless	White Off-white Shades
Odour:	Odourless	Odourless
Freezing Point (°C):	--	--
Initial Boiling Point (°C):	100 ⁰ C	--
Density at 25°C (kg/m³):	1130	--
Vapour Pressure (mm Hg) at 25°:	--	--
Relative Vapour Density (air=1):	--	--
Viscosity at 25°C (mPas):	--	--
Solubility in Water (% weight):	Soluble	Insoluble
Flash Point (°C):	--	N/A
Auto Ignition Temperature (°C):	--	N/A
Flammability Limits in Air		
Lower (%vol):	--	N/A
Upper (%vol):	--	N/A

10 STABILITY AND REACTIVITY

10.1 Stability: Powder and liquid are stable.

10.2 Hazardous reactions: Powder and liquid are non-reactive.

11 TOXICOLOGICAL INFORMATION

Toxicological information on the products are not known.

Considering the finished product it is believed there are no particular risks or consequences on toxicological negative effects coming from the exposition at the product.

12 ECOLOGICAL INFORMATION

Ecological information on the products are not known.

13 DISPOSAL CONSIDERATIONS

In accordance with local authorities.

14 TRANSPORT INFORMATION

Goods not classified as dangerous from the international transport dispositions.

14.1 Land transport ADR/RID (cross-border):

ADR/RID Class: --

14.2 Maritime transport IMDG:

IMDG Class: --

Marine pollutant: --

14.3 Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: --

15 REGULATIONS

The information in this MSDS does not constitute an assessment of workplace risks.

Symbols:

Sentences R: R 38 Irritating to skin

Sentences S: S 24/25 Avoid contact with skin and eyes.

16 OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge.

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This MSDS was prepared and is to be used only for this product.