



EG – Safety Data Sheet F-Splint-Aid
(91/155/EG) – Stand 03.06.2009/GM

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1. Product identification/Preparation/Company undertaking

Product details:

Trade name: **F-Splint-Aid**

Manufacturer/Supplier:

Polydentia SA
 Strada cantonale
 CH-6805 Mezzovico

Tel: +41 91 946 29 48
 Fax: +41 91 946 32 03
 Email: info@polydentia.com

Emergency information:

Tel: +41 91 946 29 48

2. Composition/information on ingredients

1. Sized T glass (E Glass >98%, Size <2%)

impregnated with

2. Fiber-Bond

composition:

35-40% Hydroxybutylmethacrylat

15-25% 2,2-bis-4 (2hydroxy-3-methacryloxy-propyloxy)-phenyl-propan

15-25% 2,2-bis-4(2-methacryloxy-ethoxy)-phenyl-propan,

15-25% Dioxaoctamethylendimethacrylat

0.1-5% Glutardialdehyd

3. Hazards identification

1. Most important hazards / human health effects. Handling of glass filaments may cause temporary skin, eye and upper respiratory tract irritation.

2. Irritates to eyes, breathing organs and skin.

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4. First-aid measures

Inhalation: Remove of scene of exposure
 Skin contact: Clean immediately with soap and lukewarm water
 Eye contact: Flush well with running water for 10 minutes. Seek medical advice if irritation.
 Ingestion: make person vomiting. Seek medical advice if irritation.
 Allergy: Remove from scene of exposure

5. Fire-fighting measures

Suitable extinguishing media: CO₂, powder, foam (only the packaging burns if it is made of polyethylene or cardboard)
 Unsuitable extinguishing media: Water jet
 Special protective equipment for fire fighting: Breathing apparatus

6. Accidental release measures

Precautionary measures related to people: No specific recommendations
 Environmental protective measures: Respect local regulations for transport of waste from inert products.
 Methods of cleaning/adsorption: Take up with a cloth, polymerize in light and shovel in containers designed for filaments waste.

7. Handling and storage

Handling:

Instructions on safe handling: "sensitive people" should avoid long skin contact
 Information on fire and explosion protection: No specific recommendations

Storage:

Requirements for storage areas and containers: lightsafe, not above 25 °C
 Packaging material: The product should be stored in its original packaging.



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8. Exposure controls/Personal protection

Engineering controls: No specific recommendations for product use in normal conditions.

Exposure limits: No specific recommendations

Personal protection: No specific recommendations

General protective measures: Keep common hygiene for the job

Breath protection: Not required

Hand protection: "sensitive people" should wear gloves

Eye protection: Safety goggles

Body protection: Common professional security clothes

9. Physical and chemical Properties

Appearances:

Form: solid impregnated with liquid

Colour: white

Odour: like oil

Date relevant for safety

Changes in physical state: Melting point 1200 °C

Decomposition temperature: only the size id decomposed from 400 °C

Autoignition: not applicable

Danger of Explosion: Not applicable

Density: 2,6 g/cm³

Solubility in water: Very slight solubility of the E Glass in water. Size is soluble in contact with organic solvents.

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10. Stability and Reactivity

Thermal decomposition: No decomposition when used as prescribed.

Hazardous reaction: None, slow polymerization if incidence to the unprotected material;
 Glass filaments are stable products causing no chemical hazardous reaction.

Hazardous decomposition products: When the combustion is kept going, small quantities of
 CO and CO₂ may result from the size decomposition.

11. Toxicological information (for the uncured material)

Acute oral toxicity (LD 50): 16555mg/kg
 Species rat, Method FDA Guideline

Local effects: Handling of glass filaments may cause temporary skin, eye and upper
 respiratory irritation.

Exposure time: 24h
 Species rabbit
 Method occlusiv, FDA Draise

Sensitivity:
 1. Fiber glass -> Rare possibilities of allergy
 2. Fiber-Bond -> not sensitizing
 Species guinea pig
 Method GPMT

Further information on toxicology:
 Non-carcinogenic as app. II GefStoffV.,
 No named on app. III of TRGS 900.

As existing experiences and informations there are none unhealthy effects when used as
 prescribed.

12. Ecological information

Do not let into the water, the product is not biodegradable

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13. Disposal considerations

Product uncured: Attention to the local/national laws of toxic waste if high quantities

Light polymerized: Attention to the local/national laws. Usually without special treatment.

Packaging: The bottle is of polyester and can be wasted without special treatment.

14. Transport information

Land transport ADR/RID and GGVS/GGVE (across the border/home):

ADR/RID: not restricted

GGVS/GGVE: not restricted

Mail Germany: allowed

Sea transport IMDG/GGV sea:

IMDG/GGV sea: not restricted

Air transport ICAO-II/IATA-DGR:

ICAO-II/IATA-DGR: not restricted

Further information: None

15. Regulatory information

Identification according EEC-guidelines: None

National laws: Classification as VbF: None

Water endangering class: 1 (self classification)

16. Other informations

These informations describe exclusive safety requirements of the product and are based on the present knowledge. They do not represent assurance of properties of the product as defined by the lawful guarantee of the regulation.