



MATERIAL SAFETY DATA SHEET
(EUROPEAN)

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According to 2001/58/EC
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1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

IDENTIFICATION OF THE SUBSTANCE

TRADE NAMES: *Foamfrax Binder B* **DENOMINATION** : Organic binder

FOAMFRAX Binder B contains Polyvinyl alcohol.

IDENTIFICATION OF THE MANUFACTURER AND SALES CONTACTS

Germany
Unifrax GmbH
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Germany
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Fax: + 49 (0) 211 87746 115

UK
Unifrax Limited
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WA11 8LP
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Unifrax France
17 Rue Antoine Durafour
42420 Lorette, France
Tel.: +33(0)4-7773-9825
Fax.:+33(0)4-7773-3991

SALES CONTACTS ONLY

SPAIN
Unifrax Spain
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Madrid 28003
Spain
Tel: + 34 91 395 2279
Fax: + 34 91 395 2124

ITALY
Unifrax Italia Srl
Via Volonterio 19
Saronno (Va) 21047
Italy
Tel: + 39 02 967 01 808
Fax: + 39 02 962 5721

Occupational Hygiene and CARE: Tel: + 44 (0) 1744 887603. Fax: + 44 (0) 1744 886173



2. COMPOSITION / INFORMATION OF INGREDIENTS

COMPONENT	EINECS NUMBER	CAS NUMBER	SYMBOL	R PHRASES
Polyvinyl alcohol	209-183-3	none	None	None assigned

COMPOSITION

Chemical composition of *Foamfrax Binder B*: PVA <30% - Water 60-80%

DESCRIPTION

FOAMFRAX Binder B is an organic binder used in the Foamfrax insulation system.

Use of the product

Restricted to "professional users" for application as part of the Foamfrax insulation system in industrial furnaces, ovens, kilns, boilers and other process equipment. Should not be sold directly to the general public, restricted to professional users.

3. HAZARDS IDENTIFICATION

IRRITANT EFFECTS

Mild irritation to skin, eyes may result from exposure to spray mist.

4. FIRST AID MEASURES

SKIN

In case of skin irritation rinse affected areas with water and wash gently.

EYES

In case of eye contact flush abundantly with water; have eye bath available. Do not rub eyes.

5. FIRE-FIGHTING MEASURES

Non combustible products. Packaging and surrounding materials may be combustible.

Use extinguishing agent suitable for surrounding combustible materials

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURE

For small spills – contain with absorbent materials such as clay, or any commercially available absorbent. Shovel reclaimed liquid and any absorbent into container for disposal.

Large spills- Bund to prevent further movement and reclaim into suitable containers or use sludge gulper.

Do not flush to drains or surface water. Provide operators involved in cleaning with suitable impervious gloves and goggles.



7. HANDLING AND STORAGE

HANDLING / TECHNIQUES TO REDUCE DUST EMISSIONS DURING HANDLING

HANDLING

Avoid contact with the skin, eyes and clothing.

STORAGE

Store in original packaging in dry area whilst awaiting use

Always use sealed and visibly labelled containers.

Avoid damaging the packaging and keep closed when not in use.

Emptied containers, which may contain debris, should be cleaned before disposal or recycling.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

HYGIENE STANDARDS AND CONTROL MEASURES

Hygiene standards and exposure limits may differ from country to country. Check those currently applying in your country and comply with local regulations.

ENGINEERING CONTROLS

Maintain good general ventilation when using this product

PERSONAL PROTECTIVE EQUIPMENTS

SKIN PROTECTION

Wear impervious gloves when handling the product and attaching the feeding equipment.

Rinse contaminated skin.

Remove contaminated clothing and wash affected areas launder clothes before reuse.

EYE PROTECTION

Wear chemical goggles when handling the product.

Have eye wash facility available in the area

INFORMATION AND TRAINING OF WORKERS

This should include:

The requirements for protective equipment and clothing.

Good working practices;

The proper use of protective equipment.

ENVIRONMENTAL EXPOSURE CONTROLS

Refer to local, national or European applicable environmental standards for release to air, water and soil.

For waste, refer to section13



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	pH	None
Flammability	None	Boiling point	100°C
Odour	Slight		

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID	N.A.	MATERIALS TO AVOID	None
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11. TOXICOLOGICAL INFORMATION

Based on our knowledge and the information supplied by the manufacturer this product is non toxic.

12. ECOLOGICAL INFORMATION

No adverse effects of this material on the environment are anticipated.

13. DISPOSAL CONSIDERATIONS

Waste from these materials is not classified as a hazardous waste and can generally be disposed of at landfill, which has been licensed industrial waste. Please refer to the European list (Decision no 2000/532/CE as modified) to identify your appropriate waste number, and ensure national and or regional regulation are complied with. Taking into account any possible contamination during use, expert guidance should be sought.

14. TRANSPORT INFORMATION

Not classified as dangerous goods under relevant international transport regulations (ADR, RID, IATA, IMDG Refer Section 16 "Definitions").

15. REGULATORY INFORMATION

Hazard classification for substances and preparations according to annex I to Directive 67/548/EEC

Classification: None Assigned

SYMBOL None Assigned

Member states are in charge of implementing European directives into their own national regulation within a period of time normally given in the directive. Member States may impose more stringent requirements. Please always refer to national regulations.

16. OTHER INFORMATION

USEFUL REFERENCES (the directives which are cited must be considered in their amended version)



Council Directive 67/548/EEC on the “approximation of the laws, regulations and administrative provision relating to the classification, packaging and labelling of dangerous substances as modified and adapted to the technical progress” (OJEC L 196 of 16 August 1967,p.1 and its modifications and adaptations to technical progress).

DEFINITIONS

ADR – Transport by road, council directive 94/55/EC

IMDG – Regulations relating to transport by sea

RID – Transport by rail, Council Directive 96/49/EC

ICAO/IATA - Regulations relating to transport by air

NOTE

The directives and subsequent regulations detailed in this Material Safety Data Sheet are only applicable to the European Union (EU) Countries and not to countries outside of the EU.

Websites

The European Ceramic Fibres Industry Association (ECFIA): 3, Rue du Colonel Moll, 75017 Paris

Tel. +33 (0)1 44 05 54 84 - Fax +33 (0)1 44 05 54 94- www.ecfia.org

Or to Deutsche Keramikfaser-Gesellschaft e.V. web site: www.dkfg.de

NOTICE:

The information presented here in is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorisation given or implied to practice any patented invention without a licence. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.