Fortura® Quadaxial Glass Fabric

Safety Data Sheet / SDS. In accordance with REACH Regulation (EC) 1907/2006 & amended by Regulation (EU) 2020/878

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name **Fortua® Quadaxial Glass Fabric**

Applicable to Multiaxial reinforcements, or non-crimp fabrics (NCF), with E-Glass, S-Glass or ECR-Glass

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Textile surface for industrial applications

1.3. Details of the supplier of the safety data sheet

Supplier

Industrial Plasters Ltd
63 Netherstreet, Chippenham
Bromham
SN15 2DP
United Kingdom

Contact person

Blake Smith
Email: blake@industrialplasters.com
Tel: +44 (0) 1380 850616

General Queries
Email: info@industrialplasters.com
Tel: +44 (0) 1380 850616

Sales Team:
Email: sales@industrialplasters.com
Tel: +44 (0) 1380 850616

1.4. Emergency telephone number

Emergency telephone To be used only for advice on chemical emergencies, spillages, fires or First Aid:
For emergencies in US/Canada: CHEMTREC – 800 424 9300 / 703 527 3887 CCN10462
For emergencies in rest of the world: CARECHEM24 – +44 (0) 1235 239 670

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

2.3. Other hazards

Continuous filament glass fibre is not considered a dangerous substance, according to Regulation (EC) No 1272/2008 (CLP). Continuous filament glass fibre is not respirable. World Health Organisation defines a respirable fibre as a fibre with a diameter (d) <3 micrometres, a length (l) >5 micrometres and a l/d-ratio ≥ 3. Glass fibre filaments are mechanical irritants and may induce temporary mouth, nose and throat irritation. Skin or eye contact may cause itching and temporary irritation. Ingestion may cause temporary mechanical irritation of the digestive tract. Pre-existing conditions such as respiratory or skin disorders may be aggravated by exposure to the product or dust/particulate generated from machining/grinding of the cured product. Electrical insulator, which can generate static electricity.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Composition comments Continuous filament glass fibre (Type E, R, D, S2) of silicium, aluminium, calcium, boron and magnesium oxides in a vitreous amorphous state. Filament diameter >3µm. CAS 65997-17-3: >99% w/w

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation With any sign of respiratory distress, affected persons should be taken into fresh air and made to rest while medical attention is sought.

Ingestion If fibre from product is ingested, immediately rinse mouth repeatedly with water. If swallowing has occurred, do not induce vomiting. If requested give affected person sips of water. Seek medical attention.

Skin contact In case of contact with the product or the cured product dust or particulate, immediately wash skin with mild soap and water. Use a washcloth to help remove the fibres. To avoid further irritation, do not rub or scratch irritated areas. Rubbing or scratching may force fibres into the skin. Get medical attention immediately if the irritation persists.

Eye contact Contamination by fibre should be removed by flushing with water for at least 15 minutes. Seek medical attention if irritation persists.

4.2. Most important symptoms and effects, both acute and delayed

General information Filaments are mechanical irritants and may induce temporary mouth, nose and throat irritation. Skin or eye contact may cause itching and temporary irritation. Ingestion may cause temporary mechanical irritation of the digestive tract. Pre-existing conditions such as respiratory or skin disorders may be aggravated by exposure to the product or dust/particulate generated from machining/grinding of the cured product.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray, dry powder or carbon dioxide.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

Hazardous combustion products In an emergency situation leading to elevated temperature, there may be release of toxic gases and vapours. The products of combustion and decomposition will depend on other materials present in the fire and the actual conditions of the fire.

5.3. Advice for firefighters

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Due to the physical nature of the product, there is no requirement for special protective clothing in the event of an accidental release.

6.2. Environmental precautions

Environmental precautions Due to the physical nature of this product, environmental release to drains and water courses is not possible.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Clean affected area, and dispose of product and cleaning materials in accordance with local regulations.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid direct contact with product. Avoid inhalation of filaments or dust/particulates generated during processing operations. Where possible, provide dust extraction and collection from handling zones. Wash skin thoroughly after handling. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container. Keep container dry.

7.3. Specific end use(s)

Specific end use(s) As this product is an article, this section is not applicable.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate ventilation.

Eye/face protection Wear approved safety spectacles, goggles or facemask when working product by hand or machining with power tools.

Hand protection It is recommended that protective gloves are worn when handling the product.

Other skin and body protection	Recommendation: Ensure forearms are protected by use of gloves with long gauntlet, disposable sleeves or long sleeve overalls. Irritation often appears at pressure points such as wrists, waist, neck and between fingers.
Respiratory protection	For comfort, an approved dust mask can be worn where fibre or particulates are present.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Multiaxial textile surface
Colour	White.
Odour	Odourless.
Odour threshold	It is not relevant as there is no toxic effect.
pH	Not relevant due to the physical form of this product.
Melting point	(Softening ASTM C-338): ~650°C
Initial boiling point and range	Not relevant due to the physical form of this product.
Flash point	Not relevant due to the physical form of this product.
Evaporation rate	Not relevant due to the physical form of this product.
Upper/lower flammability or explosive limits	Not relevant due to the physical form of this product.
Vapour pressure	Not relevant due to the physical form of this product.
Vapour density	Not relevant due to the physical form of this product.
Relative density	Not relevant due to the physical form of this product.
Solubility(ies)	Not relevant due to the physical form of this product.
Auto-ignition temperature	Not relevant due to the physical form of this product.
Viscosity	Not relevant due to the physical form of this product.
Explosive properties	Does not meet the criteria for classification as explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.
Comments	The indicated values do not necessarily correspond to the product specification. Please refer to the technical data sheet for specification data.

9.2. Other information

Other information	No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. In an emergency situation leading to elevated temperature, there may be release of toxic gases and vapours. The products of combustion and decomposition will depend on other materials present in the fire and the actual conditions of the fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Not regarded as a health hazard under current legislation. Continuous filament glass fibre is not considered a dangerous substance, according to Regulation (EC) No 1272/2008 (CLP). Continuous filament glass fibre is not considered respirable. World Health Organisation defines a respirable fibre as a fibre with a diameter (d) <3 µm, a length (l) >5 µm and a l/d-ratio ≥3. Continuous filament fibre is listed by the International Agency for Research on Cancer (IARC) as a Group 3 (not classifiable as a human carcinogen).

SECTION 12: Ecological information

12.1. Toxicity

Toxicity Not regarded as dangerous for the environment.

12.2. Persistence and degradability

Persistence and degradability Not relevant due to the physical form of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential Not relevant due to the physical form of this product.

12.4. Mobility in soil

Mobility Not relevant due to the physical form of this product.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment As this product is an article, this section is not applicable.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

This product is not dangerous to transport.

14.2. UN proper shipping name

This product is not dangerous to transport.

14.3. Transport hazard class(es)

This product is not dangerous to transport.

14.4. Packing group

This product is not dangerous to transport.

14.5. Environmental hazards

Environmental hazards This product is not dangerous to transport.

14.6. Special precautions for user

This product is not dangerous to transport.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Product not transported in bulk.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations This product and its components are considered an Article with no intentional release in accordance with EC No. 1907/2006, REACH Regulation.
European Union:
Continuous filament glass fibre is not considered a dangerous substance, according to Regulation (EC) No 1272/2008 (CLP).
This product does not contain Annex XIV substances subject to Authorisation according to Regulation (EC) No. 1907/2006 (REACH) or substances of very high concern published in accordance with Article 59(10) above 0.1 % (w/w).
US, EPA, TSCA:
This product is an article as defined by TSCA and is not required to be listed in the US, EPA, TSCA Inventory.

15.2. Chemical safety assessment

As this product is an article, communication of Chemical Safety Assessments for component substances is not required.

SECTION 16: Other information

None known.

Abbreviations and acronyms used in the safety data sheet

ATE Acute Toxicity Estimate
ADR European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008
CAS# Chemical Abstracts Service number
DNEL Derived No Effect Level
EC# EINECS and ELINCS Number
EINECS European Inventory of Existing Commercial Substances
ELINCS European List of Notified Chemical Substances
EmS Emergency Response Procedures for Ships Carrying Dangerous Goods
EPA Environmental Protection Agency
EU European Union
GHS Globally Harmonised System
IATA International Air Transport Association
ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods
Kow octanol-water partition coefficient
LC50 Lethal concentration to 50% of a test population
LD50 Lethal dose to 50% of a test population (Median Lethal Dose)
n.o.s. Not otherwise specified
PBT Persistent, Bioaccumulative and Toxic substance
PNEC Predicted No Effect Concentration
PPE Personal Protection Equipment
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SADT Self-accelerating decomposition temperature
SCBA Self-Contained Breathing Apparatus
STOT Specific Target Organ Toxicity
(STOT) RE Repeated Exposure
(STOT) SE Single Exposure
SVHC Substance of Very High Concern
TSCA Toxic Substances Control Act
UN United Nations
VOC Volatile Organic Compound
vPvB Very Persistent and very Bioaccumulative

General information

This safety data sheet has been written in accordance with the requirements of the Commission Regulation (EC) No 1907/2006, Annex II, as amended.

Issued by

European Product Stewardship Department

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