



SAFETY DATA SHEET

1.0 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

SUBSTANCE: *POLYPROPYLENE FIBERS FOR CONCRETE REINFORCEMENT*

SDS No. 2001_2 PP Fibers Concrete (UK English)

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MANUFACTURER/SUPPLIER:

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PRODUCT NAMES: Fibermesh[®] Grades 150, 300 & 650; Fibercast[®] Grades 500 & 510;
Novomesh[®] Grades HPP & 950; ENDURO[®] HPP

2.0 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS#	EC Number	Percentage	EC Classification
Polypropylene	9003-07-0	Not assigned	>99	Not assigned
Lubricants: Fatty acids and/or esters	Blend	Not assigned	0.1 – 1.0	Not assigned
Inorganic pigments*	Mixture	Not assigned	0 – 0.6	Not assigned

*These components, if present, are encapsulated in polyolefin resin. See Section 8.0, "Exposure Controls/Personal Protection", for exposure guidelines.

3.0 HAZARDS IDENTIFICATION

EC CLASSIFICATION: No classification assigned.

POTENTIAL HEALTH EFFECTS:

INHALATION

SHORT TERM EXPOSURE: Mechanical irritation.

LONG TERM EXPOSURE: No information of significant adverse effects

SKIN CONTACT

SHORT TERM EXPOSURE: Mechanical irritation.

LONG TERM EXPOSURE: No information of significant adverse effects

EYE CONTACT

SHORT TERM EXPOSURE: Mechanical irritation.

LONG TERM EXPOSURE: No information of significant adverse effects

INGESTION

SHORT TERM EXPOSURE: No information on significant adverse effects

LONG TERM EXPOSURE: No information of significant adverse effects

4.0 FIRST AID MEASURES

EYE: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

SKIN: Wash exposed skin with soap and water. Get medical attention if irritation develops.

INHALATION: If adverse effects occur, remove to uncontaminated area. Get medical attention.

INGESTION: If a large amount is swallowed, get medical attention.

5.0 FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Slight fire hazard.

SUITABLE EXTINGUISHING MEDIA: Carbon dioxide, regular dry chemical, regular foam, water.

FIRE FIGHTING PROCEDURES: Move material from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

SENSITIVITY TO MECHANICAL IMPACT: Not sensitive

SENSITIVITY TO STATIC DISCHARGE: Not sensitive

FIRE-FIGHTING EQUIPMENT: Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

HAZARDOUS COMBUSTION PRODUCTS: Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

6.0 ACCIDENTAL RELEASE MEASURES

Contain and remove by mechanical means. Keep out of water supplies and drains.

7.0 HANDLING AND STORAGE

STORAGE: Store and handle in accordance with all current regulations and standards. Keep separated from incompatible substances. Store product in a dry environment to avoid deterioration of packaging.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Based on available information, additional ventilation is not required. Ensure compliance with applicable exposure limits.

EYE PROTECTION: Eye protection is not required under normal conditions.

CLOTHING: Protective clothing is not required under normal conditions.

GLOVES: Protective gloves are not required under normal conditions.

RESPIRATORY PROTECTION: No respirator is required under normal conditions of use. If respirable dusts are generated, respirator protection may be needed.

COMPONENT	CAS#	Exposure Limits
Polypropylene	9003-07-0	OSHA TOTAL DUST: 15 mg/m ³ (particulate NOC) OSHA RESPIRABLE DUST: 5 mg/m ³ (Particulate NOC) ACGIH TLV-TWA: 10 mg/m ³ (total dust) (particulate NOC)
Lubricants: Fatty acids and/or esters	Blend	No exposure limit established
Inorganic pigments*	Mixture	No exposure limit established

*If present, this component is encapsulated in polyolefin resin and does not possess the same hazards as the neat material.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid. Material packaged in pucks wrapped in water soluble film.

COLOUR: Colourless, light gray, or white

ODOUR: Odourless.

BOILING POINT: Not applicable

MELTING POINT: 320° F (160° C)

FLASH POINT: >600°F (>315°C)

VAPOUR PRESSURE: Not applicable

VAPOUR DENSITY: Not applicable

SPECIFIC GRAVITY (WATER = 1): 0.9

SOLUBILITY IN WATER: Negligible, below 0.1%

pH: Not applicable

VOLATILITY: Not applicable

ODOUR THRESHOLD: Not available

EVAPORATION RATE: Not applicable

OCTANOL/WATER PARTITION COEFFICIENT: Not available

10.0 STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable at normal temperatures and pressure.

CONDITIONS TO AVOID: Avoid heat flames, sparks, and other sources of ignition. Avoid contact with incompatible materials.

INCOMPATIBILITIES: Oxidising materials.

HAZARDOUS DECOMPOSITION: Thermal decomposition products of combustion: oxides of carbon

POLYMERIZATION: Will not polymerise.

11.0 TOXICOLOGICAL INFORMATION

ADDITIONAL DATA: The toxicological properties have not been fully investigated. Polypropylene was tested in rats by subcutaneous implantation of discs or powder. Local sarcomas were induced at the site of implantation. Subcutaneous injections are not a normal route of exposure. All inorganic pigments, if present in of this product, are considered to be fully bound within the polymer matrix, and therefore, are not readily available under normal conditions.

12.0 ECOLOGICAL INFORMATION

Not available.

13.0 DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable regulations.

14.0 TRANSPORTATION INFORMATION

U.S. DEPT OF TRANSPORTATION: No classification assigned.

Shipping Name: Not Regulated

LAND TRANSPORT ADR: No classification assigned.

LAND TRANSPORT RID: No classification assigned.

MARITIME TRANSPORT IMDG: No classification assigned.

15.0 REGULATORY INFORMATION

EUROPEAN REGULATIONS:

EC CLASSIFICATION (CALCULATED): No classification assigned

NATIONAL INVENTORY STATUS:

US INVENTORY (TSCA): Listed on inventory

EC INVENTORY (EINECS/ELINCS): Not determined

16.0 OTHER INFORMATION

This safety data sheet conforms to the requirements of EC Directive 93/112/EC.

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