



CONCRETE SYSTEMS

6025 Lee Highway, Suite 425, PO Box 22788
Chattanooga, TN 37422. USA

Material Safety Data Sheet

1 PRODUCT IDENTIFICATION AND COMPANY INFORMATION

PRODUCT TYPE: Fibermesh ® polypropylene fibres for concrete reinforcement

TRADE NAMES: Fibermesh®, Fibercast, Novomesh™, ENDURO™, HPP, e3™

CONTACT: Customer Service (North America)
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1-800-368-2888 or 1-800-634-6374

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This Material Safety data sheet complies with 29 CFR 1910.1200 OSHA Communication Standard and 91/155/EEC Safety Data Sheets Directive as amended by Directive 93/112/EC

2 COMPOSITION / INFORMATION ON INGREDIENTS

| <u>MATERIAL</u> | <u>CAS#</u> | <u>CONTENTS(%WT/WT)</u> |
|-----------------------|-------------|-------------------------|
| Polypropylene | 9003-07-0 | >99 |
| Proprietary Additives | Mixture | <1 |
| Proprietary Lubricant | Mixture | <1 |

3 HAZARDS IDENTIFICATION

OVERVIEW: Based upon data available to Propex Inc., this product is not hazardous under OSHA Hazard Communication (29 CFR 1910.1200) and EC Directive 93/21/EEC as amended by 96/54/EC

| | | |
|--|----------------------|----------|
| NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATING: | HEALTH: | 0 |
| | FLAMMABILITY: | 1 |
| | REACTIVITY: | 0 |

POTENTIAL HEALTH EFFECTS: Product may contain surface-applied fibre lubricants which may cause the skin to dry out. Susceptible individuals may develop rash or other symptoms.

4 FIRST AID MEASURES

EYES: As for any foreign body, use eyewash. If accompanied by pain or irritation, consult physician.

SKIN: Wash hands thoroughly after handling. In case of irritation, consult a physician.

INHALATION:

INGESTION:

5 FIRE FIGHTING MEASURES

| | | |
|---|-------------------|-------------------|
| FLAMMABLE LIMITS IN AIR, % BY VOLUME | LOWER: N/A | UPPER: N/A |
|---|-------------------|-------------------|

EXTINGUISHING MEDIA: Dry Chemical, CO₂, Foam, Water Fog

UNUSUAL FIRE OR EXPLOSION HAZARDS: N/A

SPECIAL FIRE FIGHTING PROCEDURES: Material will not burn unless preheated. Overheated or molten material may burn slowly with dense smoke. Avoid inhalation of vapors. Use self contained breathing apparatus and wear protective clothing. Hazardous decomposition products include carbon monoxide, carbon dioxide, smoke and soot.

6 ACCIDENTAL RELEASE MEASURES

Product is made from polypropylene fibres packaged in paper bags. Packaged product may support combustion in the presence of flame. Dispose of damaged material in accordance with all governmental regulations.

7 HANDLING AND STORAGE

STORAGE: Store away from oxidizing materials in a cool dry place. Do not store in direct sunlight.

HANDLING: No special handling required. If product is molten, avoid contact with eyes or skin.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION REQUIREMENTS: Not required for normal use

PERSONAL PROTECTIVE EQUIPMENT:

| | |
|----------------------------------|--|
| EYE PROTECTION: | Not required unless physical contact with eyes is likely. |
| HAND AND SKIN PROTECTION: | Not normally required. Individuals exhibiting exposure symptoms (see Section 3) may wear suitable gloves that prevent contact. |
| RESPIRATORY PROTECTION: | Not required. |
| OTHER REQUIRED EQUIPMENT: | Standard work clothing and shoes. |

9 PHYSICAL AND CHEMICAL PROPERTIES

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|----------------------------------|--|
| Physical Form | Fibrous materials packaged in paper bags |
| Appearance | White/natural short fibres |
| Odor | Essentially Odorless |
| pH | N/A |
| Melting Point | 328°F (164°C) |
| Solubility in Water | Insoluble |
| Specific Gravity | 0.905 |
| Vapor Density | N/A |
| Boiling Point | N/A |
| % Solids: | ~100% |
| Flash Point: | >315°C (600°F) |
| Autoignition Temperature: | >550°C (1022°F) |

10 STABILITY AND REACTIVITY

| | |
|--|--|
| STABLE <input checked="" type="checkbox"/> | UNSTABLE <input type="checkbox"/> |
| CONDITIONS TO AVOID: | Store indoors away from direct sunlight, and away from sparks or flame. |
| MATERIALS TO AVOID: | Strong oxidizing agents |
| HAZARDOUS POLYMERIZATION: | Will occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/> |
| HAZARDOUS COMBUSTION PRODUCTS: | Carbon Monoxide, Carbon Dioxide, smoke and soot |

11 TOXICOLOGICAL INFORMATION

| | |
|---------------------------------------|---|
| LISTED AS CARCINOGEN BY: | IARC: 3 (not classifiable for human) NTP: No OSHA: No |
| PEL(OSHA Permissible Exposure Limit): | None established |
| TLV(ACGIH Threshold Limit): | None established |
| <u>ROUTES OF EXPOSURE</u> | |
| INHALATION: | Not Likely |
| SKIN CONTACT: | Likely |
| SKIN ABSORPTION: | N/A |
| EYE CONTACT: | Likely |
| INGESTION: | Not Likely |
| <u>EFFECTS OF OVEREXPOSURE</u> | |
| ACUTE OVEREXPOSURE: | Product may contain surface-applied fibre lubricants that may cause the skin to dry out. Susceptible individuals may show rash or other symptoms. |
| CHRONIC OVEREXPOSURE: | N/A |

12 ECOLOGICAL INFORMATION

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|--------------------|
| No data available. |
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13 DISPOSAL CONSIDERATIONS

Transfer to an approved disposal area in accordance with all governmental regulations. Based on information available to Propex Inc., this material is not hazardous.

14 TRANSPORT INFORMATION

DOT CLASSIFICATION: Not controlled under DOT (United States)
TDG CLASSIFICATION: Not controlled under TDG (Canada)
ADR/RID CLASSIFICATION: Not controlled under ADR (Europe)
IMO/IMDG CLASSIFICATION: Not controlled under IMDG
ICAO/IATA CLASSIFICATION: Not controlled under IATA

15 REGULATORY INFORMATION

Federal Regulations (USA): All materials in this product are listed on the TSCA inventory. This product contains no ingredients subject to reporting under SARA 313 (40 CFR Part 372). This product may contain ingredients in the fiber lubricant package that are listed under SARA Section 311/312: Acute Health Hazard. However, at levels under 1% of the product weight, it is not anticipated that a "Reportable Quantity" threshold will be reached with typical inventories.

International Regulations:

| | |
|------------------------|-----------------------|
| WHMIS (Canada): | Not controlled |
| EINECS: | Not applicable |
| DSCL (EEC): | Not controlled |

16 OTHER INFORMATION

The information contained herein is based on the data available to us and is believed to be correct. However, Propex Inc. makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Propex Inc. assumes no responsibility for the use of the product described herein.

Revision History

- June 5, 2002: Add Novomesh™ HPP to product list
- July 29, 2002: Add Stealth® e3™ to product list
Convert format to comply with 91/155/EEC Safety Data Sheets Directive as amended by Directive 93/112/EC
- August, 2005 International address change.
New brand names added.