Polyethylene Containment Range

This MSDS covers products: 31-3XXX

SAFETY DATA SHEET

Section 1 Identification of the substance/preparation

1.1 This MSDS covers products:
In the 31-3XXX series

1.2 Brand:
Prestige

1.3 Supplied By:
FyterTech Nonwovens Limited
Units C & D Vulcan Business Park Derker Street, Oldham
Greater Manchester OL1 4AS

1.4 Emergency Telephone Number
Emergency Contact Number FyterTech Nonwovens Limited: 0161 470 8800

Section 2 Composition/information on ingredients

Hazardous component	Amount	Classification	CAS#	EC#
Ethylene/hexene-1 copolymer	> 98.0 %	Not classified.	25213-02-9	Not applicable
Ethene-1-octene copolymer	< 1.5 %	Not classified.	26221-73-8	Polymer

Section 3 Hazardous component

This product is not classified as dangerous according to EC criteria.

Section 4 First Aid Measures

4.1 Eye Contact:
Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

4.2 Skin Contact:
If molten material comes in contact with the skin, do not apply ice but cool under ice water or running stream of water. DO NOT attempt to remove the material from skin. Removal could result in severe tissue damage. Seek medical attention immediately.

4.3 Inhalation:
Move person to fresh air; if effects occur, consult a physician.

4.4 Ingestion:
If swallowed, seek medical attention. May cause gastrointestinal blockage. Do not give laxatives. Do not induce vomiting unless directed to do so by medical personnel.

4.5 Notes to Physician:
If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

Section 5 Fire Fighting Measures

5.1 Extinguishing Media:
Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam.

5.2 Fire Fighting Procedures:
Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. If material is molten, do not apply direct water stream. Use fine water spray or foam. Cool surroundings with water to localize fire zone. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires.

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5.3 Special Protective Equipment for Fire-fighters:
Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

5.4 Unusual Fire and Explosion Hazards:
Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, do not permit dust to accumulate. Dense smoke is emitted when burned without sufficient oxygen.

5.5 Hazardous Combustion Products:
During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide.

Section 6 Accidental Release Measures

6.1 Steps to be Taken if Material is Released or Spilled:
Contain spilled material if possible. Sweep up.
Collect in suitable and properly labelled containers. See Section 13, Disposal Considerations, for additional information.

6.2 Personal Precautions:
Spilled material may cause a slipping hazard. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

6.3 Environmental Precautions:
Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Section 7 Handling and Storage

7.1 Precautions for Safe Storage:
Store in accordance with good manufacturing practices.

7.2 Precautions for Safe Handling:
No smoking, open flames or sources of ignition in handling and storage area. Good housekeeping and controlling of dusts are necessary for safe handling of product. Avoid breathing process fumes. Use with adequate ventilation. When appropriate, unique handling information for containers can be found on the product label. Workers should be protected from the possibility of contact with molten resin. Do not get molten material in eyes, on skin or clothing. Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, electrically bond and ground equipment and do not permit dust to accumulate. Dust can be ignited by static discharge.

Section 8 Exposure Control/Personal Protection

8.1 Exposure Limits
None established

8.2 Personal Protection Eye/Face Protection:
Use safety glasses. Safety glasses should be consistent with Directive 89/686/EEC Category 2. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles. Chemical goggles should be consistent with EN 166 or equivalent. If exposure causes eye discomfort, use a full-face respirator.

8.3 Skin Protection:
No precautions other than clean body-covering clothing should be needed.

8.4 Hand protection:
Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized. Use gloves with insulation for thermal protection, when needed.

8.5 Respiratory Protection:
Use an approved air-purifying respirator when vapours are generated at increased temperatures or when dust or mist is present. Use the following CE approved air-purifying respirator: When dust/mist are present use a/an Particulate filter, type P2. When combinations of vapours, acids, or dusts/mists are present use a/an Organic vapour cartridge with a particulate pre-filter, type AP2.

8.6 Ingestion:
Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

8.7 Engineering Controls
Ventilation: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

Section 9 Physical and Chemical properties

9.1 Physical State Pellets: Colour White
9.2 Odour: Odourless
9.3 Flash Point - Closed Cup: No test data available Flammable Limits In Air Lower: No test data available Upper: No test data available
9.4 Autoignition Temperature: No test data available
9.5 Vapour Pressure: No test data available
9.6 Boiling Point (760 mmHg): No test data available.
9.7 Vapour Density (air = 1): No test data available
9.8 Specific Gravity (H20 = 1): 0.83 - 0.97
9.9 Literature Freezing Point: No test data available
9.10 Melting Point: No test data available
9.11 Solubility in Water (by weight): Nil
9.12 pH: No test data available
9.13 Kinematic Viscosity: No test data available

Section 10 Stability and Reactivity

10.1 Stability/Instability
Stable.

10.2 Conditions to Avoid:
Exposure to elevated temperatures can cause product to decompose.

10.3 Incompatible Materials:
None known.

10.4 Hazardous Polymerization
Will not occur.

10.5 Thermal Decomposition
Decomposition products depend upon temperature, air supply and the presence of other materials. Processing may release fumes and other decomposition products. At temperatures exceeding melt temperatures, polymer fragments can be released. Fumes can be irritating. Decomposition products can include and are not limited to: Aldehydes, Alcohols and Organic acids. Decomposition products can include trace amounts of: Hydrocarbons.

Section 11 Toxicological Information

Acute Toxicity

11.1 Ingestion
Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. May cause choking if swallowed.
Estimated LD50, Rat > 5,000 mg/kg

11.2 Eye Contact:
Solid or dust may cause irritation or corneal injury due to mechanical action. Vapour may cause eye irritation experienced as mild discomfort and redness.

11.3 Skin Contact:
Prolonged contact is essentially non-irritating to skin. Mechanical injury only. Under normal processing conditions, material is heated to elevated temperatures; contact with the material may cause thermal burns.

11.4 Skin Absorption:
No adverse effects anticipated by skin absorption. Estimated LD50, Rabbit > 2,000 mg/kg

11.5 Inhalation:
No adverse effects are anticipated from single exposure to dust. Vapours/fumes released during thermal processing may cause respiratory irritation.

11.6 Repeated Dose Toxicity:
Additives are encapsulated in the product and are not

Section 12 Ecological Information

Chemical Fate

12.1 Movement and Partitioning:
No bioconcentration is expected because of the relatively high molecular weight (MW greater than 1000). In the terrestrial environment, material is expected to remain in the soil. In the aquatic environment, material is expected to float.

12.2 Persistence and Degradability:
This water-insoluble polymeric solid is expected to be inert in the environment. Surface photodegradation is expected with exposure to sunlight. No appreciable biodegradation is expected.

12.3 Ecotoxicity:
Not expected to be acutely toxic, but material in pellet or bead form may mechanically cause adverse effects if ingested by waterfowl or aquatic life.

Section 13 Disposal Considerations

For uncontaminated material the disposal options include mechanical and chemical recycling or energy recovery. In some countries landfill is also allowed. For contaminated material the options remain the same, although additional evaluation is required. For all countries the disposal methods must be in compliance with national and provincial laws and any municipal or local by-laws. All disposal methods must be in compliance with the EU framework Directives 91/156/EEC, 91/689/EEC and their subsequent adaptations, as implemented in National Laws and Regulations, as well as EU Directives dealing with priority waste streams. Transboundary shipment of wastes must be in compliance with EU Regulation 259/93 and subsequent modifications.

Section 14 Transport Information

14.1 UN Number: Not restricted for transportation

UK Road/Sea Freight (IMO) Classification:

14.2 Substance Identification Number: Not Applicable
14.3 Class: Not Applicable
14.4 Packing Group: Not Applicable
14.5 Proper Shipping Name: Not Applicable
14.6 PGR (if applicable): Not Applicable

ADR/RID Classification:

14.7 Class: Not Applicable
14.8 Item Number: Not Applicable

ICAD/IATA Classification:

14.9 Class: Not Applicable
14.10 Sub Risk: Not Applicable
14.11 Packing Group: Not Applicable
14.12 Proper Shipping Name: Not Applicable

Section 15 Regulatory Information

European Inventory of Existing Commercial Chemical Substances (EINECS)
This product is a polymer according to the definition in Directive 92/32/EEC (7th Amendment to Directive 67/548/EEC) and all of its starting materials and intentional additives are listed in the European Inventory of Existing Commercial Chemical Substances (EINECS) or in compliance with European (EU) chemical inventory requirements.
EC Classification and User Label Information
This product is not classified as dangerous according to EC criteria.

Section 16 Other Information

16.1 Regulatory Information:
The following UK Regulations as amended may affect the product as supplied:
- The Chemicals (Hazard Information and Packaging) Regulations 1994
- The Dangerous Substances (Conveyance by Road in Road Tankers/Tank Containers) Regulations 1992
- The Carriage of Dangerous Goods by Road and Rail (Classification, Packaging and Labelling) Regulations 1994
- The Petroleum (Consolidation) Act 1928
- The Control of Substances Hazardous to Health Regulations 1994
- The Control of Pollution (Special Waste) Regulations 1980
- The Environmental Protection Act 1990
- The Health and Safety at Work Act 1974

16.2 Re-Issue Date/Reason for Re-Issue: This is the first issue in this format.
16.3 Intended Use of Product: Synthetic absorbent for containment and clean-up of liquid spills.
16.4 Limitations on Use of Products: For industrial use only.

Section 17 Notes

The information on this Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Date Sheet or use of the product in combination with other materials.
For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

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