

Safety Data Sheet



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

- Product Name** • **Micro Synthetic PP Fibers for Concrete Reinforcement**
- Synonyms**
- Polypropylene Fibers for Concrete Reinforcement
 - Applicable brands and styles: Fibermesh® grades 150, 300; Fibercast® grades 500.

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

- Relevant identified use(s)** • Polypropylene Fibers for Concrete Reinforcement
- Use(s) advised against** • Other than intended by manufacturer

1.3 Details of the supplier of the safety data sheet

- Manufacturer**
- Propex Operating Company, LLC
4019 Industry Drive
Chattanooga, TN 37416
United States
www.propexglobal.com
- Telephone (General)** • 1-800-621-0444
- Supplier**
- Propex Concrete Systems Ltd.
9 Royal Court
Basil Close Chesterfield S41 7SL
United Kingdom

Telephone (General) • 44-1246-564200

1.4 Emergency telephone number

- Manufacturer** • 1-800-424-9300 - North America
- Manufacturer** • 1-800-527-3887 - International

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

2.1 Classification of the substance or mixture

- CLP**
- Not classified

2.2 Label Elements

CLP

Hazard statements • No label element(s) required

2.3 Other Hazards

- CLP**
- This material is exempt from CLP/REACH obligations as an article as specified in REACH (1907/2006) and related ECHA guidance.
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UN GHS

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

2.1 Classification of the substance or mixture

- UN GHS**
- Not classified

2.2 Label elements

- UN GHS**
- Hazard statements** • No label element(s) required

2.3 Other hazards

- UN GHS**
- This product as an article is outside the scope of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS).
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United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

- OSHA HCS 2012**
- Not classified

2.2 Label elements

- OSHA HCS 2012**
- Hazard statements** • No label element(s) required

2.3 Other hazards

- OSHA HCS 2012**
- Under United States Regulations (29 CFR 1910.1200(c) - Hazard Communication Standard), the product(s) listed above are exempt as article(s) under stated normal conditions of use.
-

Canada

According to: WHMIS

2.1 Classification of the substance or mixture

- WHMIS**
- Not classified

2.2 Label elements

- WHMIS**
- No label element(s) required.

2.3 Other hazards

- WHMIS**
- Under Canadian regulations (Workplace Hazardous Materials Information System (WHMIS) - Hazardous Products Act (HPA), Section 11(1)), these product(s) are exempt and considered manufactured article(s) under stated normal conditions of use.
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Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance.

3.2 Mixtures

Composition			
Chemical Name	Identifiers	%	Comments
Polypropylene	NDA	98% TO 99%	NDA
Lubricants: Fatty acids And/or Esters	NDA	0.1% TO 2%	NDA

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, move person to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. Wash skin with soap and water. If signs/symptoms develop, get medical attention.

Eye

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If contact with material occurs flush eyes with water. If signs/symptoms develop, get medical attention.

Ingestion

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Under normal conditions of use, no health effects are expected.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

- No specific actions or treatments recommended related to exposure to this material.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media • Agents approved for Class A hazards (e.g., foam, steam) or water fog.

Unsuitable Extinguishing Media • No data available.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Slight fire hazard.

Hazardous Combustion Products • Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

5.3 Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection. Move material from fire area if it can be done without risk.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- No special precautions expected to be necessary if material is used under ordinary conditions and as recommended.
- Emergency Procedures**
- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended. Use normal clean up procedures.

6.2 Environmental precautions

- Keep out of drains and water sources.

6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Contain and remove by mechanical means.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

- Handling**
- Use good safety and industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities

- Storage**
- Store and handle in accordance with all current regulations and standards.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines			
	Result	Czech Republic	Latvia
Polypropylene (9003-07-0)	TWAs	5 mg/m ³ TWA (dust)	5 mg/m ³ TWA (dust, listed under Polymer dust)

8.2 Exposure controls

- Engineering Measures/Controls**
- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.
- Personal Protective Equipment**
- Respiratory**
- None required; however, use of adequate ventilation is good industrial practice.
- Eye/Face**
- None required; however, use of eye protection is good industrial practice.
- Skin/Body**
- Protective gloves are recommended for handling bags of fiber or loose fiber.
- Environmental Exposure Controls**
- Follow best practice for site management and disposal of waste.

Key to abbreviations

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Colorless, white fibrous materials packaged in paper bags or IBC bags with no odor.
Color	Colorless	Odor	Odorless
Odor Threshold	NIL		
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	160 C(320 F)
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	= 0.9 Water=1	Water Solubility	Negligible < 0.1 %
Viscosity	Not relevant	Explosive Properties	No data available
Oxidizing Properties:	No data available		
Volatility			
Vapor Pressure	Not relevant	Vapor Density	Not relevant
Evaporation Rate	Not relevant		
Flammability			
Flash Point	383 C(721.4 F)	UEL	No data available
LEL	No data available	Autoignition	404 C(759.2 F)
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- None identified.

10.5 Incompatible materials

- None identified.

10.6 Hazardous decomposition products

- Thermal decomposition products of combustion: oxides of carbon.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

GHS Properties	Classification
Respiratory sensitization	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant UN GHS • Not relevant
Serious eye damage/Irritation	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant UN GHS • Not relevant
Acute toxicity	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant UN GHS • Not relevant
Aspiration Hazard	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant UN GHS • Not relevant
Carcinogenicity	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant UN GHS • Not relevant
Skin corrosion/Irritation	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant UN GHS • Not relevant
Skin sensitization	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant UN GHS • Not relevant
STOT-RE	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant UN GHS • Not relevant
STOT-SE	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant UN GHS • Not relevant
Toxicity for Reproduction	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant UN GHS • Not relevant
Germ Cell Mutagenicity	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant UN GHS • Not relevant

Potential Health Effects

Inhalation

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • Under normal conditions of use, no health effects are expected.

Skin

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • Under normal conditions of use, no health effects are expected.

Eye

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • Under normal conditions of use, no health effects are expected.

Ingestion

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

11.2 Other information

- 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.

Section 12 - Ecological Information

12.1 Toxicity

- Propex has not conducted ecological testing on this material.

12.2 Persistence and degradability

- No data available

12.3 Bioaccumulative potential

- No data available

12.4 Mobility in Soil

- No data available

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user

- None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC

- Not Applicable – Article.

Code

Section 15 - Regulatory Information

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

SARA Hazard Classifications • None

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Polypropylene	9003-07-0	Yes	No	No	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Polypropylene 9003-07-0 Uncontrolled product according to WHMIS classification criteria

Canada - WHMIS - Ingredient Disclosure List

• Polypropylene 9003-07-0 Not Listed

Environment

Canada - CEPA - Priority Substances List

• Polypropylene 9003-07-0 Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Polypropylene 9003-07-0 Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Polypropylene 9003-07-0 Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Polypropylene 9003-07-0 Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Polypropylene 9003-07-0 Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Polypropylene 9003-07-0 Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Polypropylene 9003-07-0 Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Polypropylene 9003-07-0 Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Polypropylene 9003-07-0 Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing		
• Polypropylene	9003-07-0	Not Listed

United States - California

Environment		
U.S. - California - Proposition 65 - Carcinogens List		
• Polypropylene	9003-07-0	Not Listed
U.S. - California - Proposition 65 - Developmental Toxicity		
• Polypropylene	9003-07-0	Not Listed
U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)		
• Polypropylene	9003-07-0	Not Listed
U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)		
• Polypropylene	9003-07-0	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Female		
• Polypropylene	9003-07-0	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Male		
• Polypropylene	9003-07-0	Not Listed

15.2 Chemical Safety Assessment

- Chemical Safety Assessment is not required.

Section 16 - Other Information

- Revision Date**
 - 09/September/2015
- Preparation Date**
 - 28/February/2012
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Key to abbreviations
 NDA = No Data Available