

MATERIAL SAFETY DATA SHEET

Date of Issue 03/04/2017

**POLYCURE FT EXTRA**

Please consult prior to use.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:

**POLYCURE FT EXTRA**

Product Description:

Acrylic Polymer Curing Agent for GRC

Supplier:

Fibre Technologies International

Avonmouth Way, Avonmouth

Bristol BS11 9YA

T: +44 (0)117 982 5855

F: +44 (0)117 982 0060

E: info@fibrectech.org

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2. HAZARD IDENTIFICATION

*2.1 Classification of the substance or mixture*

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation – Category 2 – (H319)

*2.2 Label elements*

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**



Signal word – WARNING

Hazard statements

H319 – Causes serious eye irritation

PRECAUTIONARY STATEMENTS – EU ( 28, 1272/2008)

P103 – Read label before use

P202 – Do not handle until all safety precautions have been read and understood

P308 + P313 – IF exposed or concerned: Get medical advice/attention

P233 – Keep container tightly closed

*2.3 Other hazards*

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MATERIAL SAFETY DATA SHEET

Date of Issue 03/04/2017

**POLYCURE FT EXTRA**

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	CAS No	Weight %	EC No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number	Note:
Polyethylene glycol branched nonylphenyl ether	68412-54-4	1 - 3	500-209-1	Aquatic Chronic 3 (H412)		-
ALKYLPHENOL ETHER, SULFATED	UNKNOWN	1 - 3	Compliant with EINECS	Eye Sam. 1 (H318) Aquatic Chronic 3 (H412)		-

**Full text of H- and EUH- phrases: see section 16**

4. FIRST-AID MEASURES

4.1 Description of first aid measures

*General advice* – Get medical advice/attention if you feel unwell.

*Eye Contact* – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

*Skin Contact* – Rinse skin with water/shower  
If skin irritation occurs: Get medical advice/attention.

*Inhalation* – IF INHALLED: Call a POISON CENTER or doctor/physician if you feel unwell.

*Ingestion* – Do NOT induce vomiting.  
If SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed  
Symptoms: No information available.

4.3 Indication of any immediate medical attention and special treatment needed  
Note to doctors: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media – Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam

Not to be used for safety reasons: Strong water jet

**MATERIAL SAFETY DATA SHEET**

Date of Issue 03/04/2017

**POLYCURE FT EXTRA***5.2 Special hazards arising from the substance or mixture*

Burning produces heavy smoke

Fire may produce irritating and/or toxic gases

In the event of fire and/or explosion do not breathe fumes

*5.3 Advice for firefighters*

Wear self-contained breathing apparatus and protective suit

Cool containers with flooding quantities of water until well after fire is out

Do not allow run-off from fire-fighting to enter drains or water courses

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**6. ACCIDENTAL RELEASE MEASURES***6.1 Personal precautions, protective equipment and emergency procedures*

Personal precautions: Avoid breathing vapours or mists. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

For emergency responders: Use personal protection recommended in Section 8.

*6.2 Environmental Precautions*

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers, or sewage, inform appropriate authorities in accordance with local regulations.

*6.3 Methods and materials for containment and cleaning up*

Methods for containment: Prevent further leakage or spillage if it is safe to do so.

Methods for cleaning up: Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Soak up with inert absorbent material (e.g sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.

*6.4 Reference to other sections*

See section 8 for information on appropriate personal protective equipment.

See section 13 for additional waste treatment information.

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**7. HANDLING AND STORAGE***7.1 Precautions for safe handling*

Advice on safe handling: Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Do not breathe dust/fume/gas/mist/vapours/spray.

General hygiene considerations: Avoid contact with the skin, eyes or clothing. When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

**MATERIAL SAFETY DATA SHEET**

Date of Issue 03/04/2017

**POLYCURE FT EXTRA**

*7.2 Conditions for safe storage, including any incompatibilities*

Storage Conditions: Keep/store only in original container. Store in accordance with local regulations. Keep unauthorised personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Incompatible materials: None known.

*7.3 Specific end uses*

Curing agent for GRC and concrete.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

*8.1 Control parameters*

Exposure Limits: This product as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL): No information available

Predicted No Effect Concentration (PNEC): No information available

*8.2 Exposure controls*

8.2.1 Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.2 Individual protection measures, such as personal protective equipment:

*Eye/face protection* – Wear safety glasses with side-shields (or goggles)

*Hand protection* – There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Wear protective gloves.

**Break through time >240 minutes Estimated**

PPE - Glove material	Glove thickness
Neoprene™	>0.56 mm
Butyl Rubber	>0.36 mm
Fluroelastomer	>0.51 mm
Nitrile Rubber	>0.56 mm
Natural Rubber	>0.48 mm
Polyvinyl chloride (PVC)	>0.25 mm

*Respiratory protection* – In case of inadequate ventilation wear respiratory protection.

**MATERIAL SAFETY DATA SHEET**

Date of Issue 03/04/2017

**POLYCURE FT EXTRA**

8.2.3 *Environmental exposure controls* – Do not allow into any sewer, on the ground or into any body of water.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 *Information on the basic physical and chemical properties*

<i>Physical state:</i>	Liquid
<i>Appearance:</i>	No information available
<i>Colour</i>	White
<i>Odour:</i>	Slight
<i>Odour threshold:</i>	No information available
<i>pH:</i>	No information available
<i>Melting point/freezing point:</i>	No information available
<i>Boiling point/boiling range:</i>	No information available
<i>Flash point:</i>	101°C / 214°F
<i>Evaporation rate:</i>	No information available
<i>Flammability (solid, gas):</i>	No information available
<i>Flammability limit in air</i>	
<i>Upper flammability limit:</i>	No information available
<i>Lower flammability limit:</i>	No information available
<i>Vapour pressure:</i>	No information available
<i>Vapour density:</i>	No information available
<i>Specific gravity:</i>	1.057
<i>Solubility(ies):</i>	No information available
<i>Partition coefficient:</i>	No information available
<i>Auto ignition temperature:</i>	No information available
<i>Decomposition temperature:</i>	No information available
<i>Kinematic viscosity:</i>	No information available
<i>Dynamic viscosity:</i>	No information available
<i>Explosive properties:</i>	No information available
<i>Oxidising properties:</i>	No information available

9.2 *Other information*

*Molecular Weight:* No information available

10. STABILITY AND REACTIVITY

10.1 *Reactivity:* No information available

10.2 *Chemical stability:*

Stable under normal conditions

Explosion Data

Sensitivity to Mechanical Impact: No information available

Sensitivity to Static Discharge: No information available

10.3 *Possibility of hazardous reactions:*

Hazardous polymerisation: None under normal processing

Possibility of hazardous reactions: None under normal processing

10.4 *Conditions to avoid:* Heat, flames and sparks

**MATERIAL SAFETY DATA SHEET**

Date of Issue 03/04/2017

**POLYCURE FT EXTRA**

10.5 *Incompatible materials:* None known

10.6 *Hazardous and decomposition products:*

Carbon monoxide

Carbon Dioxide (CO<sub>2</sub>)

**11. TOXICOLOGICAL INFORMATION**

11.1 *Information available on toxicological effects*

Information on likely routes of exposure

Eye contact – Causes serious eye irritation

Skin contact – Not applicable

Ingestion – Not applicable

Inhalation – Not applicable

Numerical measures of toxicity – Product information

The following values are calculated based on chapter 3.1 of the GHS document

UNKNOWN ACUTE TOXICITY – 0% of the mixture consists of ingredient(s) of unknown toxicity.

Numerical measures of toxicity – Component information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Polyethylene glycol branched nonylphenyl ether	= 1310 mg/kg (Rat) = 2590 mg/kg (Rat)	= 1780ul/kg (Rabbit) = 2 mL/kg (Rabbit)	

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin Corrosion/Irritation: Not applicable

Serious eye damage/eye irritation: Causes serious eye irritation

Skin sensitisation: Not applicable

Respiratory sensitisation: Not applicable

Germ Cell Mutagenicity: Not applicable

Carcinogenicity: Not applicable

Reproductive toxicity: Not applicable

Specific target organ toxicity (single exposure): Not applicable

Specific target organ toxicity (repeated exposure): Not applicable

Aspiration hazard: Not applicable

**12. ECOLOGICAL INFORMATION**

12.1 *Toxicity*

Environmental precautions: Prevent product from entering drains

**MATERIAL SAFETY DATA SHEET**

Date of Issue 03/04/2017

**POLYCURE FT EXTRA**

12.2 *Persistence and degradability:* No information available

12.3 *Bioaccumulative potential*

Bioaccumulation: No information available

12.4 *Mobility in soil:* No information available

12.5 *Results of PBT and vPvB assessment:* No information available

12.6 *Other adverse effects:* No information available

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**13. DISPOSAL CONSIDERATIONS**

13.1 *Waste treatment methods*

Environmental precautions: Prevent product from entering drains. Keep out of waterways.

Waste from residues/Unused products: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging: Improper disposal or reuse of this container may be dangerous and illegal. Empty containers must be scrapped or reconditioned.

European waste catalogue

Product: 08 01 11\*

Packaging: 15 01 10\*

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**14. TRANSPORT INFORMATION**

IMDG – Not regulated

RID – Not regulated

ADR – Not regulated

IATA – Not regulated

ADN – Not regulated

14.1 *UN number*

14.2 *UN Proper shipping name:*

14.3 *Transport hazard class(es)*

14.4 *Packing Group*

14.5 *Environmental hazards (marine pollutant):*

Not applicable

14.6 *Special precautions for end user:*

14.7 *Transport in bulk according*

*To Annex II or MARPOL 73/78 and the IBC Code:*

No information available

*The supplier may apply one of the following exceptions: Combustible Liquid (49 CFR 173. 150(f); Consumer Commodity (49 CFR 173. 150(c), ICAO/IATA SP A112); Limited quantity (49 CFR 173. 150(b), ICAO Part 3, Chapter 4, IATA 2.7, IMDG Chapter 3, 4); Viscous Liquid (49 CFR 173.121(b), IMDG 2.3.2.2, IATA 3.3.3.1.1, ICAO 3.2.2, ADR 2.2.3.1.5); Does Not Sustain Combustion (49 CFR 173.120(a), IATA 3.3.1.3, ICAO 3.1.3, IMDG 2.3.1.3, ADR 2.2.3.1.1 Note 1); or others as allowed under hazardous materials/dangerous goods regulations.*

Fibre Technologies International Ltd

Avonmouth Way, Avonmouth, Bristol BS11 9YA

T: +44 (0)117 9825855 F: +44 (0)117 9820060 E: info@fibrettech.org

Page 7 of 8





**MATERIAL SAFETY DATA SHEET**

Date of Issue 03/04/2017

**POLYCURE FT EXTRA**

**15. REGULATORY INFORMATION**

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

European Union

Chemical name	EU – REACH (1907/2006) – Candidate List of Substances	EU – REACH (1907/2006) – Annex XIV – Substances subject to authorisation	EU – REACH (1907/2006) – Annex XVII – Restrictions on Certain Dangerous Substances
Polyethylene glycol branched nonylphenyl ether 68412-54-4	Listed		Use restricted. See item 46[b]

National Regulations

Chemical name	French RG number	Title	Denmark – List of Undesirable substances
Polyethylene glycol branched nonylphenyl ether 68412-54-4			Surfactants (that are used in paint and coating curing agents and glue)

Germany Water Hazard Class 1 (WGK)

TA Luft (German Air Pollution Control Regulation)

Class 1	Class 2	Class 3	Class 4
0 %	0 %	0 %	0 %

31. BlmSchV	0
Danish MAL Code	00 - 1

*15.2 Chemical safety assessment: No information available*

**16. OTHER INFORMATION:**

**Full text of H-statements referred to under sections 2 and 3:**

H412 – Harmful to aquatic life with long lasting effects

H318 – Causes serious eye damage

Disclaimer – The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and EU guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. UNLESS SUPPLIER AGREES OTHERWISE IN WRITING, SUPPLIER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. SUPPLIER WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGE.