

PRODUCT SAFETY DATA INFORMATION

Date: 19 January 2018

Data Sheet Number: UK65542 Revision:1

SECTION 1 - Product Identification

Identification of the Substance/Preparation and of the Company/Undertaking.

1.1 Product Name: An Ultipor® III GF Filter Element**Product Name:** Glass Fibre Filter Product.**Example Part Number:** **HC9020FKN4H****Product Type:** Article:

Filter Cartridge, employing Glass Fibre/Resin Membrane, with Polyester Substrate and drainage in a Carbon Steel construction, with Nitrile Rubber gaskets.

Product Uses: Used in lube oil and hydraulic filtration applications**1.2 Details of the supplier of the safety data sheet.**

This product safety data information is supplied by Pall Manufacturing (UK) Ltd on behalf of Pall International Sarl, Fribourg, Switzerland.

Pall Manufacturing (UK) Limited

Walton Road

Portsmouth

HANTS

PO6 1TD

UK

Tel: +44 2392 303 378

Contact in Europe: Reynolds, Stewart (Quality Assurance Manager)**Contact e-mail: stewart_reynolds@europe.pall.com****1.3 Manufacturing sites of product detailed in this SDS:****Pall Deland**

1750 Filter Drive

Deland

Florida

USA

Tel: +1 866 421 7909

Contact: Douglas, Keith (Quality Manager)

Pall Filter (Beijing) Co. Ltd.

No.12 Hongda South Rd

Daxing District

Beijing

China

Tel: +86 10 8722 5588

Contact: Liu, Annie Xin (Quality Manager)

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SECTION 2 - Hazards Identification.

This article is not considered 'hazardous' as defined under GHS / CLP in the condition as shipped from Pall Manufacturing (UK) Limited, as the glass fibre components are fully bonded into the filter medium structure by a binder resin. However, in the event that the product is damaged or filter material is destroyed please refer to Section 10 related to risks associated with inhalation of glass fibres.

2.1 Classification of the substance or mixture.

Product definition: Article

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Not Classified.

This product is not classified as dangerous according to REACH Regulation 1907/2006, or CLP regulation 1272/2008.

SECTION 3 - Materials of Construction

Conforming to Directive 67/548/EEC and Regulation (EC)

Ingredient Name	Cas Number	EC Number	Weight %	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC)No. 1272/2008 CLP
Pall proprietary resin bonded glass fibre filter media	65997-17-3	266-046-0	10-15	Chemically bonded to preclude release of dust or fibres.	Chemically bonded to preclude release of dust or fibres.
Polyester substrate	80595-68-2	N/A	10-20	Not classified	Not classified
Nylon	32131-17-2	N/A	20-30	Not classified	Not classified
Carbon Steel	N/A	N/A	45-55	Not classified	Not classified
Epoxy Resin (End Cap Bonding)	N/A	N/A	<1	Not classified	Not classified
Nitrile O-Ring Seal	N/A	N/A	<1	Not classified	Not classified

- This product contains Bisphenol A and or BADGE. Bisphenol-A is not known to be present in the finished articles above 0.1%.
- There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the article.
- There are no current REACH SVHC substances (including Bisphenol-A) known to be present in the finished articles above 0.1%.
- There are no current ROHS2 Directive (2011/65/EU) and amendment (2015/863) substances of concern (including Lead, Cadmium, Mercury, Hexavalent Chromium, Polybrominated biphenyl (PBB), Polybrominated diphenyl ether (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Benzyl Butyl

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Phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) known to be present in the polypropylene material employed in excess of the limits laid down.

Note: If the structural bonding of the glass fibre media is destroyed, suitable precautions must be taken to avoid the creation or release of air-borne glass fibre dust, as these if inhaled are considered possible carcinogens.

SECTION 4 - First Aid Measures

Inhalation:	An unlikely route of exposure of the article as supplied by Pall. Consult details for product being filtered for specific advice. Move person to fresh air. Get medical attention if symptoms persist.
Ingestion:	An unlikely route of exposure. Consult details for product being filtered for specific advice. Do not induce vomiting unless instructed to do so by medical personnel. Give water to drink. Get medical attention if symptoms occur.
Skin Contact:	Consult details of product being filtered for specific advice. Flush contaminated skin with plenty of water. Continue to rinse for at least 20mins. Get medical attention if symptoms occur.
Eye Contact:	Consult details of product being filtered for specific advice. Flush eyes with plenty of water, occasionally lifting the upper and lower eye-lids. Continue to rinse for at least 20mins. Get medical attention if irritation occurs.

SECTION 5 - Fire Fighting Measures

Suitable Extinguishing media:	Consult details of product being filtered for specific advice. Use media suitable for surrounding environment.
Unsuitable Media:	None identified.
Specific Hazards:	Consult details of product being filtered.
Decomposition Products:	CO, CO ₂ , Acrid Smoke, Silica. Consult details of product being filtered. Release of glass fibres as the result of decomposition.
Advice to Fire Fighters:	Fire-fighters should wear appropriate turn-out gear, including self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6 - Accidental Release Measures

Remove filter module and place in designated waste container. Consult details of product being filtered for specific advice on spillage clear-up, containment and appropriate PPE measures. Dispose of in accordance with local regulations via a licenced waste disposal contractor in line with local legislation and guidelines.

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SECTION 7 – Handling and Storage

- Handling:** Consult details of product being filtered for specific advice. Avoid activities that can damage the filter and create dust (See exposure controls in section 8). Wear appropriate PPE (See section 8). Eating, drinking and smoking are prohibited in areas where this product is handled, stored or processed. Workers must follow standard work-place hygiene before eating, drinking or smoking after using this product.
- Storage:** Store at a temperature between 0C and 30C in dry conditions. For conditions outside of these limits consult Pall for specific recommendations.
Do not expose to direct sunlight or other radiation or direct weather conditions.
Store in original shipping bag or boxing.
Ensure careful handling to avoid physical damage. Ensure shipping bag and seals are intact prior to use. Materials can be damaged if roughly handled – particularly at sub-zero temperatures. Thermal shock by quickly raising the temperatures from sub-zero should be avoided.
Pall recommends a visual inspection prior to use.

SECTION 8 - Exposure Controls/Personal Protection

- Glass Fibre Dust** EU OEL 2f/cc 8hours. Respirable Dust.
- Monitoring Procedures:** None required if used according to recommended conditions.
- Occupational Exposure Controls:** Not normally required. If activities are carried out on the product that create dust, such as cutting or machining, use adequate local exhaust ventilation.
- Hygiene Measures:** Normal good industrial hygiene.
- Respiratory Protection:** Not normally required. If activities are carried out on the product that create dust, such as cutting or machining, and insufficient local ventilation is available it is recommended to wear an FP3 respirator conforming to EN 149:2001.
- Hand Protection:** Wear Gloves to prevent contamination of the filter cartridge and maintain cleanliness and integrity of the unused filter. Avoid skin contact when handling the product.
- Eye Protection:** Not normally required. If activities are carried out on the product that create dust, such as cutting or machining, wear approved safety goggles.
- Skin Protection:** Avoid skin contact when handling the product.

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Environmental Exposure Controls: Consult details for product being filtered for specific advice. Not normally required for the filter itself. If activities are carried out on the product that create dust, such as cutting or machining, ensure any emissions of dust comply with local environmental protection regulations.

SECTION 9 - Physical and Chemical Properties

Appearance: Filter Cartridge. Resin Bonded Glass fibre media on Polyester Substrate. Carbon Steel Body, with resin bonded construction and nitrile rubber seals.

State: Solid

Colour: Steel filter body with black coloured rubber seals.

Odour: Odourless.

Density: No data available.

Boiling Point: N/A

Melting Point: >700°C, glass fibre decomposes.
>1370°C Carbon steel
>180°C Resin end caps
>260°C Nitrile seal formulation

pH: N/A

Solubility: Insoluble in water.

Viscosity: N/A

Flash Point: N/A

LEL (w/v) N/A

UEL (w/v) N/A

Particle Size: Mixture.

Oxidising: No.

Sensitive to Shock: No.

Sensitive to Friction: No.

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SECTION 10 – Stability and Reactivity

Chemical Stability:	The product is stable under recommended conditions of use and storage.
Thermal Stability:	The product is stable under recommended conditions of use and storage.
Hazardous Reactions:	Consult details of product being filtered for specific advice. Under normal conditions of storage and use, no hazardous reactions will occur.
Conditions to Avoid:	Avoid conditions that soften, swell or adversely effect the materials or construction of the filter. Activities that create dust, such as cutting the product. Care must be taken when disposing of the product. Consult details of product being filtered for specific advice.
Incompatible Materials:	Strong Acids, Strong Alkalis, Strong Oxidising Agents.
Decomposition Products:	Under recommended conditions of use or storage, no hazardous decomposition products will be produced.

SECTION 11 - Toxicological Information

Consult details of product being filtered for specific advice.

The following Toxicological Information is for the filter itself.

Toxico-kinetics.

Absorption:	Unlikely under recommended conditions of storage and use.
Distribution:	Unlikely under recommended conditions of storage and use.
Metabolism:	Unlikely under recommended conditions of storage and use.
Elimination:	Unlikely under recommended conditions of storage and use.

Potential Acute Health Effects.

Inhalation:	None under normal conditions of use or storage. If activities that create dust are conducted, inhalation of dusts can cause nose, throat and upper respiratory tract irritation. Symptoms include coughing, sneezing and throat irritation.
Ingestion:	Unlikely under normal conditions of storage and use.
Skin Contact:	Skin irritation possible.
Chronic Effects:	None under normal conditions of use. Inhalation of dusts created by cutting, can, over time cause conditions such as silicosis.
Carcinogenicity:	None under normal conditions of use. Inhalation of dusts generated by cutting operations can pose a risk of cancer.

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Mutagenicity: No significant effects or critical hazards.

Teratogenicity: No significant effects or critical hazards.

Development effects: No significant effects or critical hazards.

Fertility effects: No significant effects or critical hazards.

Overexposure Signs/Symptoms.

Inhalation: None under normal conditions of use. Inhalation of dusts created by actions of cutting or abrading can cause symptoms such as respiratory tract irritation, coughing.

Ingestion: Unlikely under normal conditions of use and storage.

Skin: Unlikely under normal conditions of use and storage.

Eyes: Unlikely under normal conditions of use and storage.

SECTION 12 - Ecological Information

Consult details of product being filtered for specific advice.

The following ecological advice refers to the filter itself.

Ecotoxicity: No known significant effects or critical hazards.

Other adverse effects: No known significant effects or critical hazards.

Persistence: None.

SECTION 13 - Disposal Information

Consult details of product being filtered for specific advice.

The following disposal instructions refer to the filter itself.

Dispose of the filter in accordance with local or national legislation and regulatory requirements. Unused filters may be disposed of by landfill or approved incineration process. If in the disposal process the structural bonding of the glass fibre media is destroyed, suitable precautions must be taken to avoid the creation or release of air-borne glass fibre dust, as these if inhaled are considered possible carcinogens.

SECTION 14 - Transport Information

Product not classified as dangerous goods under ADR, ADNR, IMDG or IATA.

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SECTION 15 - Regulatory InformationEU Regulations.

Not classified as hazardous according to EU Regulation 1907/2006 or EU Regulation 1272/2008.

Risk Phrases: Not applicable.

Safety Phrases: S36/37- Wear suitable protective clothing and gloves.

Contains: Glass Fibre.

Product Use: Filtration of food products.

Europe Inventory: All components are listed or exempted.

SVHC Candidate List: Not listed.

SECTION 16 - Other Information.

None.