
























Cetaflam® DB - Exhaustion systems

Product	Sector	Fibre	Description
Cetaflam® DB 9	   	PES	A unique flame retardant for polyester that can be applied in the dyebath to polyester fibres in all forms:- piece, yarn and loose stock. Formulated to pass the most stringent flame tests. Also applicable to leather. Approved OEKO-TEX® "active chemical product" Classes I-IV.
Cetaflam® DB 168		PES	Used in conjunction with CETAFLAM® DB 9 to provide optimum flame retardant results, whilst maintaining cleanliness of the fabric and machine.
Cetaflam® DB 578		PES	High concentration auxiliary designed to maximise performance of dyebath flame retardants, including CETAFLAM® DB 9.
Cetaflam® DB 6590	   	Leather	Blend of halogenated compounds with selected wetting agents and dispersants for use in leather dyeing as an FR treatment in conjunction with CETAFLAM® SB 30.

Cetaflam® for Wool - Exhaustion systems

Product	Sector	Fibre	Description
Cetaflam® PHFZ		Wool/PA	Potassium Hexa Fluoro Zirconate. Durable flame retardant for wool in piece, yarn or flock form, fast to washing and dry cleaning.
Cetaflam® ZAS		Wool/PA	Zirconium Acetate solution. Applied by exhaustion process after dyeing in combination with CETAFLAM® PHFZ. Used to give Low Smoke flame retardant finishes on wool in piece, yarn or flock form.
Cetaflam® DTB 100		Wool/PA	Durable flame retardant for wool and wool/nylon blends. Used in combination with Zirpro® flame retardant treatments to reduce after-flaming times and minimise heat release.
Cetaflam® DTB Liquid		Wool/PA	Durable flame retardant for wool and wool/nylon blends. Used in combination with Zirpro® flame retardant treatments to reduce after-flaming times and minimise heat release.
Cetaflam® KTB Liquid		Wool/PA	Durable flame retardant for wool and wool/nylon blends. Used in combination with Zirpro® flame retardant treatments to reduce after-flaming times and minimise heat release.
Cetaflam® DBWN 240		Wool/PA	Durable flame retardant for wool and wool/nylon blends applied by exhaustion after dyeing. Suitable for fabric, yarn and loose stock.

Cetaflam® AD - Highly Concentrated Flame Retardant Additives

Product	Sector	Fibre	Description
Cetaflam® AD 313	 	All	Flame retardant additive suitable for a wide variety of purposes. Can be added to coating compounds to give flame retardant properties or enhance the performance of existing FR compounds. It also finds use as a flame retardant filler in thermoset resins and polymer dispersions.
Cetaflam® AD 626	 	All	Flame retardant additive containing aromatic bromine. Its high bromine content coupled with its exceptional thermal stability makes it the material of choice for a variety of demanding applications.
Cetaflam® AD 689		All	Non-halogen organic flame retardant additive. Highly effective at low addition levels for a wide variety of applications. Virtually insoluble in water and completely insoluble in organic solvents.
Cetaflam® AD 868	 	All	Multifunctional non-halogen flame retardant system in powder form. Blend of organic and inorganic flame retardants. Should be blended with a suitable binder system to give the required flame retardant performance and fabric handle characteristics.
Cetaflam® AD PU	 	PU Foam	Organic phosphorus based flame retardant. Contains 9.5% phosphorus. Has applications in rigid and flexible foams. Flash point of 218°C.
Cetaflam® SB 30		All	Synergist for use in halogenated flame retardant systems and as a flame retardant additive to latex compounds. Aqueous dispersion of Colloidal Antimony Pentoxide.



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ISO 9001 - 2015 Cert. No 19115-QMS-001
 ISO 14001 - 2015 Cert. No 19115-EMS-001

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Legal Disclaimer

The information in this pattern card is offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. We recommend the prospective user to determine the suitability of our products on an experimental basis before embarking on full scale production.

Cetaflam®

Flame Retardants

Product guide



Our Company

Founded in 1982 and dedicated to the textile segment, Avocet is the leading manufacturer of highly engineered, eco-compliant, flame retardant chemicals marketed under the Cetaflam® brand. All products are manufactured in the UK to demanding quality standards. Products are sold into many sectors, including automotive, contract upholstery, mass transit and workwear. We are experts in textile flame retardant technology and have a very strong R&D capability with access to next generation technologies.

Our Approach

1 Application & Testing

Avocet has an extensive textile technical service facility in UK. This includes a full flame retardant application and testing laboratory. A key part of both sales and new product development, this allows us to apply our CETAFLAM® products to customers' fabrics and test to their required flame retardant standards such as BS 5852, FMVSS 302, FAR 25.853 and NFP 92-504 (M1).

2 Technical Collaboration

Avocet have been manufacturing CETAFLAM® flame retardants in the UK since 1995. We are experts in textile flame retardant technology and have a very strong R&D capability including access to next generation technologies. We are used to working closely with collaboration partners where customer confidentiality is fully assured.

































3 Technical Combination Finishing

Sometimes when combination finishes are used such as oil/water repellent and soil release this can have an adverse effect on flame retardant properties, even when inherent FR fibres are used. Avocet has the technology and expertise to overcome problems such as this.
















4 Regulatory Compliance

Environmental and regulatory compliance is critical throughout the textile industry supply chain. All CETAFLAM® products are REACH compliant. Our core CETAFLAM® range is non-hazardous, the vast majority is halogen free and most current FR technology is free of restricted substances.

Cetaflam® BC - Back Coating Compounds

Product	Sector	Fibre	Description
Cetaflam® BC 565	 	All	Non halogen flame retardant for non-wovens. Highly effective at low addition levels. Applicable by coating or padding, requires the addition of Avocet Binder RPA.
Cetaflam® BC 647	   	All	Economical flame retardant for all natural fibre types and blends, giving good durability when applied with a suitable cross linking binder. Contains an afterglow suppressant.
Cetaflam® BC 6372	 	All	Antimony free flame retardant compound suitable for application to most fibre types and blends. Suited for application to cotton and polyester fibres and their blends. Brominated compound.
Cetaflam® BC 6549	   	All	Highly effective flame retardant compound suitable for application to most fibre types and blends. Able to meet the most demanding flame retardant specifications including stringent afterglow requirements. Low temperature curing making it suitable for polypropylene and acrylic containing fabrics.
Cetaflam® BC 6604	   	All	Powerful flame retardant compound suitable for application to most fibre types and blends. Low temperature curing making it suitable for complex blends containing acrylic fibres.
Cetaflam® BC 6638	   	All	Flame retardant compound suitable for application to most fibre types and blends. Low temperature curing making it suitable for complex blends containing acrylic fibres.
Cetaflam® BC 824	   	All	Novel, non-halogen flame retardant treatment for cotton and synthetic fabrics. Applicable by most coating methods and requires the addition of a suitable binder system.
Cetaflam® BC 838	   	All	Novel, non-halogen flame retardant treatment for cotton and synthetic fabrics. Applicable by most coating methods and requires the addition of a suitable binder system.
Cetaflam® BC 8388	   	All	Novel, non-halogen flame retardant ready to use compound for cotton and synthetic fabrics. Applicable by most coating methods.

Cetaflam® PD - Padding systems

Product	Sector	Fibre	Description
Cetaflam® PDP	   	PES	Non halogen flame retardant for polyester fabric. When properly cured, provides a durable wash resistant flame retardant finish to polyester fabric. Will withstand up to 50 washes at 60°C when applied correctly. Compatible with speciality finishes such as water repellent and anti-microbial. Approved OEKO-TEX® "active chemical product" Classes I-IV.
Cetaflam® PDP 30	   	PES	Non halogen flame retardant for polyester fabric. When properly cured, provides a durable wash resistant flame retardant finish to polyester fabric. Will withstand up to 50 washes at 60°C when applied correctly. Compatible with speciality finishes such as water repellent and anti-microbial. Approved OEKO-TEX® "active chemical product" Classes I-IV.
Cetaflam® PD 3300	 	Cotton All	Clear flame retardant treatment for pad application to cotton fabric. Gives a semi durable flame retardant finish on cotton woven & knitted fabrics. Meets BS 5852 source 0 & 1, well suited to schedule 3 cotton interliners. Free of halogens, heavy metals and formaldehyde. Approved OEKO-TEX® "active chemical product" Classes I-IV.
Cetaflam® PD 3MW	 	All	Clear non-durable flame retardant treatment for pad and spray application to all fibres including cotton, regenerated cellulose, wool, wool/nylon, polyester and jute. Antimony & bromine free. Approved OEKO-TEX® "active chemical product" Classes I-IV.
Cetaflam® PD 3271		All	Clear non-durable flame retardant treatment for pad application to cotton, regenerated cellulose and jute. Also suitable for synthetic fibres in particular polyester and its blends with other fibres. Antimony & bromine free.
Cetaflam® PD 609 50%	 	All	Clear non-durable flame retardant treatment for pad application to cotton, wool, regenerated cellulose and jute. Also highly suited to synthetic fibres and blends. High level of heat stability. Antimony & bromine free. Approved OEKO-TEX® "active chemical product" Class IV.

Key



Automotive
FMVSS 302



Domestic upholstery
BS 5852 source 0 & 1



Contract upholstery
BS EN 1021 pt 1 & 2, BS 5852 Crib 5



Mass transit fabrics
FAR 25.853, EN 45545-2



Workwear
BS EN 533-Index 1 Only