



Jiangsu Yoke Technology Co., Ltd.

and its subsidiaries Shekoy Chemicals Europe and USA

Technical Data Sheet

PhireGuard LF-168

General Description and Use

PhireGuard LF-168 is a novel, versatile flame retardant particularly suited for flexible polyurethane foam. PhireGuard LF-168 consists of a mixture of chlorinated aliphatic phosphate esters.

PhireGuard LF-168 does not contain TDCP or aromatic compounds.

Upon loading of the appropriate amount recommended, Phireguard LF-168 confers to the flexible foam the necessary fire resistance to pass fire safety codes like Cal TB 117 and FMVSS 302. When associated with melamine, Phireguard LF-168 allows the foam to meet the BS5852 Crib 5 fire safety criterion.

Another important characteristic is its very limited migration out of the foam upon ageing, imparting the latter with a durable fire protection.

When used in low density foam, PhireGuard LF-168 has limited impact on the foam core discoloration (scorch).

Typical Properties ¹⁾

Physical appearance	Colourless to pale yellow liquid
Phosphorus content, wt%	>9 >32.5
Chlorine content, wt%	
Viscosity, cps @ 20 deg C	approximately 700
Acid value, mgKOH/g	<0.1
Water content, wt%	<0.1

¹⁾ Please refer to the Certificate of Analysis for exact properties

Safety Information

Jiangsu Yoke Technology is committed to the health and safety of its customers and employees.

Avoid breathing vapour and mist. In case of direct contact with eyes or skin, rinse immediately with plenty of water and seek medical advice. In case of ingestion, rinse mouth with water and seek medical advice.

In any case wear suitable protective clothing and do consult the material safety data sheet of this product prior to utilization.

Handling and Shipping Information

Product is available in isocontainers (max. 25 t), totes (1250 l) and drums (250 l).

Product must be stored in dry, cool area away from direct sun exposure and kept away from humidity and water contamination. Handle in accordance with good professional hygiene and safety procedures. Use in well ventilated areas.

In case of spillage, use a shovel or any other appropriate tool to collect the spill and place it into a chemical waste container. Do prevent spill from entering water supplies or water courses.

Contacts

May you require any further information regarding this product or any other product commercialized by the Jiangsu Yoke Technology Corporation, please do contact one of our following facilities at your best convenience:

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