

Yoke Chemicals and New Materials (Shanghai) Co., Ltd.



and its subsidiaries Shekoy Chemicals Europe and USA

Technical Data Sheet

PhireGuard FC-65

General Description and Use

PhireGuard FC-65 is a non TDCP-based blend of various chlorinated phosphate esters and phosphonates. It has been developed with the view in mind to cover a wide range of decomposition temperatures and thus cover a wide range of flexible polyurethane applications, both polyether and polyester polyols based ones.

PhireGuard FC-65 does not contain any aromatic or phenolic compounds often used as viscosity cutters.

PhireGuard FC-65 can be used as such for UL 94, Cal TB 117 parts A and D, FMVSS 302. It can also be associated with a synergist (i.e. melamine) for the production of foams that meet the requirements of BS 5852 Crib 5.

PhireGuard FC-65, due to its excellent scorch performance, is also recommended for the production of low density foams throughout the whole year.

Owing to its wide spectrum of application, PhireGuard FC-65 is particularly recommended for foamers or polyurethane professionals that have production for different regions and / or different fire safety codes.

Typical Properties¹⁾

Physical appearance	Pale yellow transparent liquid
Phosphorus content, wt%	10.7
Chlorine content, wt%	25.5
Viscosity @ 25°C, cPs	450
Acid value, mgKOH/g	<0.5
Water content, wt%	<0.1
Colour, APHA	<100

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

Safety Information

Yoke Chemicals and New Materials (Shanghai) Co., Ltd. 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:

China Headquarter

📍 Yoke Chemicals and New Materials (Shanghai) Co., Ltd. , Economic Development Zone, Yixing, 214203, China

☎ +86.510.87126528

China Shanghai

📍 Yoke Chemicals and New Materials (Shanghai) Co., Ltd., Room 805, Building 2, Lane 601, East Yungling Road, Putuo district, Shanghai, 2000062 China.

☎ +86.21.62305872

Europe

📍 Shekoy Chemicals Europe, Rue Granbonpre 11, 1348 Louvain-La-Neuve, Belgium

☎ +32.(0)10229950

📍 Shekoy Chemicals Europe, Kromme Spieringweg 431
2141 AH Vijfhuizen., The Netherlands

☎ +31-(0)233035365

United States of America

📍 Shekoy Chemicals US, 2415 Cumberland Parkway, Suite 3661, Atlanta, GA 30339-6157, United States of America.

☎ +1. 404.713.2898

