

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



and its subsidiaries Shekoy Chemicals Europe and USA

Technical Data Sheet

PhireGuard LF-11

General Description and Use

PhireGuard LF-11 is a flame retardant used extensively in the manufacture of rigid and flexible polyurethane foams. PhireGuard LF-11 exhibits a very good hydrolytic stability and is soluble in the organic solvents commonly used in the industry.

In addition, PhireGuard LF-11 has a very low odour that makes it a flame retardant of choice for the production of open cell flexible polyurethane foams.

When combined with a synergist like Melamine, PhireGuard LF-11 allows the passing of most severe fire standards like BS-5852 Crib 5.

PhireGuard LF-11 can be used in all rigid polyurethane applications (i.e. panel, roofing, pour-in-place) and is compatible with all common blowing agents and eventual co-flame retardant.

Other applications where PhireGuard LF-11 may also be used are polyurethane elastomers, epoxy resins and other thermoplastic materials.

Typical Properties ¹⁾

| | |
|-------------------------|--------------------------|
| Physical appearance | Clear transparent liquid |
| Phosphorus content, wt% | 9.0 - 9.8 |
| Chlorine content, wt % | 32.0 - 32.8 |
| Density @ 20°C, kg/l | 1.29 |
| Viscosity @25°C, cPs | 65 |
| Acid value, mgKOH/g | < 0.1 |
| Water content, wt% | < 0.1 |
| Colour, APHA | <50 |
| 2 Methyl Pentenal, ppm | <5 |

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:

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