

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

and its subsidiaries Shekoy Chemicals Europe and USA

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## Technical Data Sheet

### *SilGuard YK-1101*

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#### General Description and Use

SilGuard YK-1101 is a new silicone surfactant, non hydrolyzable, which is particularly suited for the manufacture of low density polyether based polyurethane foam.

SilGuard YK-1101 structure has been tuned to yield an excellent foaming and foam stability, even when extremely low foam densities are being targeted with high level of water or alternative blowing agents like CO<sub>2</sub>.

Another benefit of SilGuard YK-1101 lies in its superior stability towards hydrolysis, making possible pre-blends with typical polyurethane ancillary chemicals like water and amines.

Finally, it has been observed that the use of SilGuard YK-1101 results in reduced striation marks on the foam slab as well as good final foam breathability.

#### Typical Properties <sup>1)</sup>

Physical appearance	Slightly yellow transparent liquid
Viscosity @ 25°C, cPs	600-1200
pH at 5% water solution	5
Water content, wt%	≤ 0.3
Specific gravity	1.022
Flash point, ASTM D93, °C	99

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 totes (1250 l / 1000 kg), drums (250 l / 55 US Gallons / 210 kg) and Pails.

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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