

## EXPOL PH 400

### AROMATIC POLYESTER POLYOL

#### Description

EXPOL PH 400 is a hydroxyl terminated polyester resin of low viscosity. This aromatic polyester polyol is of high purity characterized by its light colour and very good consistency.

The aromatic structure of EXPOL PH 400 enhances the fire retardancy of the foams formulated with it. It is miscible with most of the polyethers as well as amino polyols and its low viscosity permits a good processability. It is mainly used as an extender polyol with technical and economical advantages in PUR systems.

#### Typical Properties

Appearance	Visual	Translucent liquid
Hydroxyl number	mg KOH/g	385 ± 20
Acid Number	mg KOH/g	2.6 ± 0.5
Water content	% by weight	< 0.2
Viscosity at 25°C	cP	3600 ± 500
Specific Gravity at 25°C		1.25 ± 0.03

#### Applications

EXPOL PH 400 has been specially designed for use in a wide range of rigid polyurethane foam formulations where fine cell structure are required. Applications include rigid continuous and discontinuous panels, domestic and commercial appliances, rigid blocks and sprayed insulation.

#### Storage and Handling

EXPOL PH 400 is slightly hygroscopic and should therefore be stored under cool and dry conditions at 25 – 35 °C. Even under these conditions EXPOL PH 400 absorbs small quantities of atmospheric moisture. Partially used drums should be properly resealed before keeping for extended storage.

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#### Health and Safety

EXPOL PH 400 is physiologically harmless.

This product is not particularly dangerous for health. In any case is suggested to observe following precautions:-

- To wear appropriate protection for body and eyes
- The working room must be ventilated
- In case of contact with skin or eyes to wash accurately with clean water and if sprayed on eyes ask for medical intervention.
- To absorb eventual losses with sand or sawdust.

Polyurethanes produced from this product may present a fire hazard in certain applications if exposed to fire and/or excessive heat and oxygen, e.g., welding and cutting torches.

Expanded Polymer Systems Pvt. Ltd. guarantees that its products are of the highest quality provided that the conditions recommended in the present instructions are carried out regarding their conservation, maintenance and use.

The high quality of Expanded Polymer Systems Pvt. Ltd. products does not exonerate the Buyer-User from making his own checks as to the suitability of the product.

Expanded Polymer Systems Pvt. Ltd. will not stand responsible for any emerging problems occurring in the eventual transformation of its products which is taken at the risk of the buyer-user, therein including possible disputes regarding the patents of third parties.

#### Shelf Life

Shelf life under specified storage conditions is 6 months.

#### Packaging

210 kg net in steel drums