



## TECHNICAL DATA SHEET (TDS) PRIMEFOAM WH1

### Chemical Product & Company Identification

- 1) Product: PRIMEFOAM WH1 (INYB-WH1001-2)
- 2) Date / Revised: 02/01/2016
- 3) Company: Taian Havay Chemicals Co., Ltd.
- 4) Address: Tai'an Dawenkou Gypsum Industry Park, Shandong, China

### Instruction

WH1 Series polyols are designed for solar water heater applications. This series polyols react with isocyanate with good characteristics as good fluidity, uniform density, fine cell structure, excellent dimensional stability, good resistance to contraction, excellent thermal insulation performance, etc. It's mainly applied for solar water heater.

### Typical Physical Properties

Appearance	--	Yellowish liquid without any deposit
Viscosity (25℃)	mPa·s	300~500
Gravity (20℃)	g/ml	1.10~1.15
Storage Temperature	℃	10~25
Storage Stability	month	6

\*These values provide general information and are not part of the product specification.

### Reactivity Characteristics

Material Temperature	℃	20~25
POL/ISO Ratio	pbw	1:1
Mold Temperature	℃	35~45
Cream Time	s	17-19
Gel Time	s	90-93
Tack Free Time	s	130-160
Free Rise Density	kg/m <sup>3</sup>	28-30

\*The actual reactivity characteristics may be adjusted according to process conditions and clients' requirements.

### Foam Features

Thermal Conductivity (20℃)	GB3399	≤0.020W/ (mk)
Closed Cell Content	GB10799	≥92%
Compression Strength	GB/T8813	≥120kPa
Dimensional Stability (-30℃,24)	GB/T8811	≤1.0%

\*For information purpose only, not specification.

**Package**

220 KG iron drums, margin of error:  $\pm 1$ kg/drum

**Storage**

Hygroscopic. Use dry nitrogen or low dew point air for tank padding. Keep drums tightly closed to prevent contamination. Store at 15~25°C. Observe all federal, state and local regulations when storing this substance. Please store away from incompatible substances.

**Shelf Life**

Under recommended storage conditions, the shelf life of WH1 is 6 months. If the production is overdue, but it's main physical and chemical properties in the guide line, may not effect on its using properties.

**Safety**

Most polyol generally present no significant hazard in use when simple precautions are followed. No special ventilation is recommended under anticipate conditions of normal use beyond that needed for normal comfort control. Eye protection such as chemical splash goggles and / or face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapor. Contact lenses must not be worn. Emergency eye wash: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Not normally considered a skin hazard. If its use results in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.

**Declaration**

The data in this manual are provided as general information only. The guaranteed specifications please see the Quality Warranty or the contract. It is the user's responsibility to test the material and its suitability for a process. We have no control over what another party does with the material and we cannot take any responsibility for another party's action. Nor will we be responsible for any indirect damages while using our products. For more details, contact Market Department or technical service center.

For more information, please refer to our MSDS or contact our customer service center.

**Contact Information**

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