**Technical Data Sheet (OXST-801)**

**General Information**

Chemical Name: Methallyl Polyethyleneglycol

Chemical Formula: CH2=C(CH3) CH2(OCH2CH2) n OH

CAS-No.: 31497-33-3

**Description and Applications**

OXST-801 is a new type of polyether monomer specially designed for polycarboxylate water-reducing agent for Precast Concrete Applications.

Compared to OXST-804 structural factors have been adjusted in a way that makes the corresponding PCEs unique in terms of workability, smoothness of fresh concrete, early strength development and durability.

Short construction cycles due to early demolding periods makes this macromonomer a preferred choice to many Concrete Producers.

The flake appearance is white and the water solubility excellent

**Technical Data and Quality Parameters**

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| --- | --- | --- |
| **Parameter** | **OXST-801** | **Method** |
| Appearance at 20 °C | White Flake | visual |
| OH Value (mg KOH/g]) | 13.0-15.0 | GB/T7383-2007 |
| Io Iodine value（mg KOH/g） | 5.6 | GB/T13892-2012 |
| pH Value (mg KOH/g） | 5.5-7.5 | GB/T 6368-2008 |
| Hazen Color 10 % in water | < 30 | GB/T 9282 |

**Packaging**

Product offered as flakes are packed in 25 kg composite plastic woven bags or paper

bags

**Storage and Transportation Conditions**

This product is non-toxic and not flammable. The product should be handled in accordance with the regular chemical transportation regulations. It is strictly forbidden to mix with oxidants, reducing agents, acids, water and other chemicals for storage and transportation.

Store in a dry, cool and ventilated place. Avoid direct sunlight and rain during

transportation. The storage temperature should not be higher than 40 °C

**Product Shelf Life**

6 months under the recommended storage and transportation conditions