**Technical Data Sheet (OXST-805)**

**General Information**

Chemical Name: Methallyl Polyethyleneglykol

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

CAS-No.: 31497-33-3

**Description and Applications**

OXST-805 is a new type of block polycarboxylate water-reducing agent comprehensive polyether optimizes the combined forces of various structural factors that affect the performance of the water-reducing agent, and can easily synthesize a water-reducing agent product with excellent comprehensive performance through a reasonable formula.

OXST-805 is a special product. It has a very narrow molecular weight distribution. The synthetic polycarboxylate water reducer can improve the compactness and permeability of concrete. In addition to the high water-reduction rate superior concrete workability and soft concrete consistency can be achieved. At the end workability of concrete, accelerated hardening and improved durability of concrete can be optimized at the same time. Economic benefits are obvious as well that makes the product applicable for precast concrete, high-strength concrete, quick de-moldable concrete etc.

**Technical Data and Quality Parameters**

|  |  |  |
| --- | --- | --- |
| **Parameter** | **OXST-805** | **Method** |
| Appearance at 20 °C | White Flake | visual |
| OH Value (mg KOH/g]) | 11.0-13.0 | GB/T7383-2007 |
| Io Iodine value（mg KOH/g） | 4.5 | GB/T13892-2012 |
| pH Value lue (mg KOH/g） | 5.5-7.5 | GB/T 6368-2008 |
| Hazen Colour 10 % in water | < 30 | GB/T 9282 |

**Packaging**

Products 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 specified storage and transportation conditions