**Technical Data Sheet (OXST-807)**

**General Information**

Chemical Name: Methallyl Polyethyleneglykol

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

CAS-No.: 31497-33-3

**Description and Applications**

OXST-807 is a new type of polyether monomer specially designed for polycarboxylate based water-reducing agents.

Excellent water-reduction is the key benefit.

Compactness and permeability of concrete can be improved significantly.

Development of early strength resulting in speeding up formwork removing cycles leads to obvious economic benefits for concrete producers and construction owners.

High degree of water reduction results in high degree of durability of concrete.

Preferred sector of application is therefore Ultra-High-Performance Concrete.

Stable solutions result when the flakes are dissolved in water

**Technical Data and Quality Parameters**

|  |  |  |
| --- | --- | --- |
| **Parameter** | **OXST-807** | **Method** |
| Appearance at 20 °C | White flake to light yellow flake | visual |
| OH Value (mg KOH/g]) | 13.5-15.5 | GB/T7383-2007 |
| Io Iodine value（mg KOH/g） | 4.5 | 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 specified storage and transportation conditions.