**Technical Data Sheet (OXST-804)**

**General Information**

Chemical Name: Methallyl Polyethyleneglycol

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

CAS-No.: 31497-33-3

**Description and Applications**

OXST-804 is a new type of polyether monomer specially designed for polycarboxylate ether based water-reducing agents for Precast Concrete Applications.

Water-reducing agents produced with OXST-804 have excellent water-reducing performance through reasonable optimization of various structural factors that affect the performance in concrete.

PCEs are able to significantly improve the compactness and permeability of concrete at a excellent level workability.

Early strength and durability of concrete are superior. Shortening construction cycles due to early demolding periods makes this macromonomer a preferred choice to many Concrete Producers

**Technical Data and Quality Parameters**

|  |  |  |
| --- | --- | --- |
| **Parameter** | **OXST-804** | **Method** |
| Appearance at 20 °C | White Flake | visual |
| OH Value (mg KOH/g]) | 16.0-18.0 | GB/T7383-2007 |
| Io Iodine value（mg KOH/g） | 5.5 | 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