



Reliance Value Innovation

# SHANGHAI SUNWISE CHEMICAL Co., Ltd.

ISO9001:2008 certified

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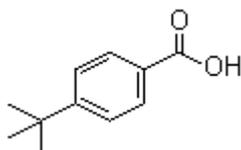
## TECHNICAL DATA SHEET

**Product Name** 4-tert-butyl benzoic acid

### Identification

**Synonyms** PTBBA  
**Molecular Formula** C<sub>11</sub>H<sub>14</sub>O<sub>2</sub>  
**Molecular Weight** 178.23  
**CAS Number** 98-73-7  
**EINECS/ELINCS** 202-696-3

### Structure



### Properties

**Appearance** White powder  
**Melting point** 164-167 °C  
**Solubility in water** 0.07 g/100 ml at 20 °C  
**Stability** stable under ordinary conditions

### Specification

Items	Specifications
Appearance	White Crystal
Content (%)	≥99.0
Melting Point(°C)	162~166
Acid value (mg KOH/G)	312~316
Fe (ppm)	≤3.0
Water (%)	≤0.1
Ash (%)	≤0.01
Color(20g Sample Solved In 80ml Anhydrous Ethanol)	≤30

### Introduction

Nucleating transparent agent SW-ZC-2 is used to change the crystallization of the subcrystalline polymer resin and speed up its speed of crystallization. It promotes the resin to crystallize by providing crystal nucleus and makes the structure of the crystal grain fine, thus improving the products' rigidity, heat distortion temperature, dimension stability, transparency and luster. In addition, nucleating transparent agent SW-ZC-2 can shorten the molding cycle of products, expand the processing conditions and strengthen the smoothness.

The product is the second generation of sorbitol nucleating transparent agent and the polyolefin nucleating transparent agent largely produced and consumed in the current world. Compared

with all the other nucleating transparent agents, it is the most ideal one that can give the plastic products superior transparency, luster and other mechanical properties.

### **Application**

Ideal transparency effect can be achieved only by adding 0.2~0.4% this product into the corresponding materials. This nucleating transparent agent can improve the materials' mechanical property. It is fit for making plastic products and is also widely used in transparent polypropylene sheet and tubes. It can directly be used after mixing with polypropylene dryly and also be used after being made into 2.5~5% seed grains.

### **Packing and Storage**

**Packing:** In 5 kg or 10 kg carton with inner bag

**Storage:** Keep container tightly closed in a dry and cool place.

### **Safety Information**

Non-hazardous for air, sea and road freight.

Detailed safety information is contained in each Material Safety Data Sheet, which can be obtained from our company. Please contact at: [sales@sunwisechem.com](mailto:sales@sunwisechem.com).