# CHISORB® 1500

**Light and gas stabilizer for polymers**

## General

Chisorb® 1500 has high affinity with NO and NO₂ whose existence can cause serious yellowing problem on the surface of polymers. Hence, Chisorb® 1500 is widely used as an anti-yellowing and anti-gas fading agent for PU, Nylon, polyester powder coating, a light stabilizer for polyamide and a heat stabilizer for polyethylene oxide system.

## Properties

**Structure:**

![Chemical Structure](image)

**Chemical Name:** 1,1,1′,1′-Tetramethyl-4,4′(methylene-di-p-phenylene) di-semicarbazide

**CAS No.:** 85095-61-0

**MITI No.:** 4-1450

**Molecular Formula:** C₁₉H₂₆N₆O₂

**Molecular Weight:** 370.46

### Physical Data

- **Appearance:** White powder
- **Odor:** Odorless
- **Melting point:** 170 °C min.
- **Boiling point:** Not Applicable
- **Bulk density:** 560 kg/m³
- **Solubility in water:** 2 g/100g H₂O @ 50 °C
- **pH value:** 7.0 (3 % solution)

### Specification

- **Appearance:** White powder
- **Assay:** 98% min.
- **Melting point:** 170 °C min.
- **Water content:** 1.0 % max.

## Storage

Must be stored in closed containers in dark dry conditions

Recommended storage temperature: 20~ 30°C.

## HS Code

2928 0000

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The information and recommendations contained herein are based on the current state of our knowledge. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.

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