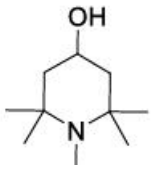
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1,2,2,6,6-Pentamethyl-4-Piperidinol (PMP)

PMP serves as an intermediate for hindered amine photostabilizers, a key pharmaceutical intermediate, and a polymerization inhibitor intermediate; it can also be directly used to provide anti-aging properties for resins.

1. Product physicochemical properties

1.1 Product basic information

Project	Content
Chemical name	1,2,2,6,6-Pentamethyl-4-Piperidinol
CAS number	2403-89-6
Molecular structure	
Formula weight	171.3

1.2 Technical parameter

Test item	Parameter
Appearance	White sheet-like solid
Melting range ℃	72-76
Moisture content %	≤0.5
Transmittance,% at 425 nm	≥97.0
Transmittance,% at 500 nm	≥98.0
APHA	≤20

Test item	Parameter
Content %	≥99.0

1.3 Solubility (20 °C, g/100 mL solvent)

Solvent	Solubility
Chloroform	52.0g
Acetone	38.0g
Alcohol	55.0g
Methanol	61.0g
Pure water	4.8g

2. Operation and safety

1. This product is a general-purpose plastic additive; it can be handled in accordance with standard chemical raw material operating procedures.

2. Avoid generating large amounts of dust; ensure the workshop is well-ventilated and kept away from open flames and high-temperature heat sources;

3. Personal protection: Wear a dust-proof mask and nitrile protective gloves;

4. For complete information on first aid, leakage, storage, and transportation, and hazards, please refer to the accompanying safety data sheet (SDS).

3. Storage and transportation

1. Store in a cool, dry, and well-ventilated warehouse; avoid direct sunlight, exposure to rain, or moisture.

2. Store separately from strong oxidizing agents, strong acids, and strong alkalis;

3. The original factory-sealed product has a shelf life of 6 months at room temperature; use it as soon as possible after opening to prevent moisture absorption and clumping.