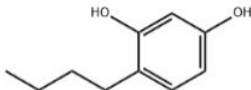


## Product Details

|                    |                                                                                   |
|--------------------|-----------------------------------------------------------------------------------|
| Product Name       | 577                                                                               |
| Chemical Name      | 4-Butylresorcinol                                                                 |
| INCI Name          | 4-BUTYLRESORCINOL                                                                 |
| CAS Number         | 18979-61-8                                                                        |
| EINECS Number      | 606-191-2                                                                         |
| Molecular Weight   | 166.22                                                                            |
| Molecular Formula  | C <sub>10</sub> H <sub>14</sub> O <sub>2</sub>                                    |
| Structural Formula |  |

## Characteristics

4-Butylresorcinol (577) delivers prominent performance in various application fields, stemming from its outstanding skin brightening activity, favorable antioxidant capacity and remarkable tyrosinase inhibitory effect.

## Technical Specifications

| No. | Test Item                              | Specification               |     |
|-----|----------------------------------------|-----------------------------|-----|
|     |                                        | LSL                         | USL |
| 1.  | Appearance & Physical State            | White to pale yellow powder |     |
| 2.  | Odor                                   | Characteristic odor         |     |
| 3.  | Vapor Pressure                         | 0.041Pa at 25°C             |     |
| 4.  | Visual Color                           | White to pale yellow powder |     |
| 5.  | pH Value (1% aqueous dispersion, 25°C) | Data unavailable            |     |
| 6.  | Melting Point Range, °C                | 50-55°C                     |     |

## Applications

- Used as skin brightening agent and antioxidant in cosmetic formulations
- Mitigates hyperpigmentation issues in skincare products
- Boosts skin defense capacity when incorporated into sun care preparations

## Product Efficacy

- Potent skin brightening efficacy
- Excellent antioxidant performance
- Stable chemical properties
- Marked tyrosinase inhibitory activity
- High safety profile for cosmetic use
- Excellent compatibility with diverse cosmetic raw materials

**Packaging:** Packaging sizes available: 25kg and 200kg. Packaging material: High Density Polyethylene (HDPE).

## Handling & Storage

**Handling Guidelines:** Conduct all manipulation of 577 in a well-ventilated workspace. Fume hoods and exhaust fans are recommended to promptly evacuate volatile vapors, reduce airborne concentration and prevent operator inhalation. For large-volume indoor processing, ensure ample working space and unobstructed air circulation.

**Storage Guidelines:** Store the product in a cool, ventilated warehouse with ambient temperature not exceeding 30°C. Keep away from ignition sources and heat sources. Elevated temperature will raise vapor concentration of 577 and lead to potential safety hazards. Maintain dry storage conditions to prevent rust and corrosion of packaging containers, which would deteriorate product quality.