



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

B910~911 Xincheng Business Center,

Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418678

Fax: (0086) 551 65418697

Email: info@tnjchem.com

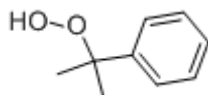
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Technical Data Sheet

Cumyl hydroperoxide

Product Information

| | |
|--------------------|---|
| Chemical Name | Cumyl hydroperoxide |
| CAS # | 80-15-9 |
| Formula | C ₉ H ₁₂ O ₂ |
| Molecular Weight | 152.19 |
| Chemical Structure | |



Description

Cumyl hydroperoxide is Colorless transparent liquid, an Organic Peroxide;Synthetic Organic Chemistry

Physical Properties

| | |
|---------------------|---------------------------|
| Hazard Class | 5.2 |
| UN Number | 3109 5.2 |
| Melting point, °C . | -30 °C |
| Boiling point, °C | 100-101 °C8 mm Hg(lit.) |
| Density | 1.05 g/mL at 25 °C(lit.) |
| Vapor density | 5.4 (vs air) |
| vapor pressure | <0.03 mm Hg (20 °C) |
| Refractive index | n ₂₀ /D 1.5230 |
| Flash point | 192 °C |
| storage conditions | 2-8°C |
| Water solubility | Slightly soluble |

Specification

| Item | Specification |
|--------------------------|------------------------------|
| Appearance | Colorless transparent liquid |
| Cumene Hydroperoxide WT% | 80-85 /88-90 |

| | |
|-------------------------|-----------|
| APHA | ≤100 |
| PH | 4.00-8.00 |
| Active oxygen content,% | 8.40-8.93 |

Safety

Always refer to the Material Safety Data Sheet (MSDS)

Applications

Cumyl hydroperoxide is Used in ethylene cracking gas removing arsenic and ABS grafted polymerization initiator

Packaging

25kg / Plastic bucket, 200kg / Iron drum (16MT/FCL) IBC drum / MT (20MT / FCL)

Storage & Handling

Store in a cool, ventilated, dry warehouse, storage temperature is below 30 C. Away from fire, heat, acid , Alkali, reducing agent, should be kept separate, is strictly prohibited and other organic material, combustible mix. When handling Gently, not to drum upside down. Storage period should not be too long.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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B911 Xincheng Business Center
Qianshan Road, Hefei
230022 Anhui
China

Tel : (0086) 551 65418678
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