

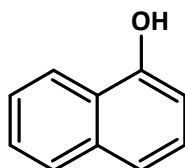


| | | |
|---|--|---|
|  | Document Category PRODUCT SPECIFICATION | Approved:  Approval : Technical Manager |
| Prepared By: Phillip McCarter Administrative Control: Administrative Controller | Instruction No. SPC-016 Technical Grade 1-Naphthol | Issue No: 1 Issue Date: 2/3/17 Page 1 of 1 |

Technical Grade 1-Naphthol (α -Naphthol)
CAS No. 90-15-3



1-Naphthol is a high-purity product widely used as a chemical intermediate to make various products from anti-oxidants for engine lubricants and oils to agricultural products to dyes and pigments.

1-Naphthol is available as flakes form in 25kg and 500kg bags.

PHYSICAL PROPERTIES

Molecular Weight.....144.16
Apparent Specific Gravity at 20/20°C.....1.0954
Melting Point.....96 °C (205°F)
Boiling Point, 760 mm Hg288 °C (550°F)
Solubility in water.....Approximately 0.03% by wt
Appearance.....Colorless to brown, gradually darkening upon exposure to air and light

SPECIFICATIONS

Purity, by gas chromatography.....99.0% by wt minimum (by % area, residue free basis)
Residues..... 1.0% by wt. maximum
Moisture..... 1.0% by wt. maximum
2-Naphthol..... 0.5% by wt. maximum

SHIPPING DATA *(subject to change)*

Containers and Net Contents
Cast Solid, 55-gallon steel drum.....450 lb. net wt
Molten Liquid, bulk tank trucks.....up to 44,000 lb. net wt

STORAGE AND HANDLING

1-Naphthol has good storage stability. Upon prolonged exposure to air and light, 1-Naphthol will gradually darken; however, this darkening does not measurably alter the other properties of this material. Flakes can form clumps with time and higher storage temperatures. Containers should be kept covered when not in use. Storage in a clean, dry, shaded area is recommended.