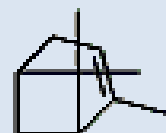


PRODUCT SPECIFICATION

PINENE ALPHA (97%)

Code	02069
CAS	80-56-8
EINECS	201-291-9
FEMA No	2902
Structural Formula	C ₁₀ H ₁₆
Molecular Weight	136.24
Tariff Number	2902191000



SENSORY DATA

Appearance	Colorless to light yellow liquid
Odor	Fresh, piney

ANALYTICAL DATA

Item	Standard
Refractive Index (20°C)	1.464-1.468
Refractive Index (25°C)	-
Relative Density(20°C)	-
Relative Density(25°C)	0.855-0.860
Acid Value (KOH mg/g)	-
Melting Point(°C)	-
Water (%)	-
Optical Rotation(20°C)	-20° - -50°
Purity(%)	≥97.0
Solubility	1ml full soluble in 95%(V/V) ethanol 3 ml

OTHER DATA

Flash Point	90.00 °F
Shelf Life	12 months
Storage Condition	Store in a cool, dry, well-ventilated area away from incompatible substances. A refrigerated room would be preferable.
Issue Date	8/1/2018