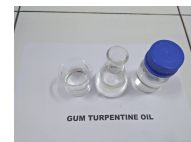


PRODUCT CODE	: PM-001
PRODUCT NAME	: Gum Turpentine Oil
IUPAC NAME	: 1-Methyl-4-methylethenylcyclohexene
INCI NAME	: Turpentine
MOLECULAR FORMULA	: C10H16



ORIGIN INFORMATION

BOTANICAL ORIGIN	<i>Pinus merkusii</i>
ORIGIN COUNTRY	Indonesia
PRODUCTION PROCESS	Volatile oil obtained through the distillation of oleo-pine resin which is obtained from the Pinus Merkusii tree through tapping. Producer: PT. Nasco.
PLANT PART USED	Gum

REGULATORY INFORMATION

CAS/EU CAS	8006-64-2
EINECS	232-350-7
JECFA	NA
FEMA / GRAS	3089
REACH REGISTRATION	NA
FLAVIS	0
RIFM ID	317-K2.12
US FDA (21 CFR)	173
ISO Standard Code	ISO 412:1976

PHYSICAL PROPERTIES

APPEARANCE	Colorless to pale yellow liquid
OLFACTIVE DESCRIPTION	Terpenic, coniferous
REFRACTIVE INDEX	1.460 — 1.475 (20 °C)
SPECIFIC GRAVITY	0.855 — 0.870 (25 °C)
OPTICAL ROTATION	+28.0 — +40.0 (25 °C)
MAIN COMPONENTS	<i>α</i> -Pinene(80 - 82%), <i>δ</i> -3-Carene(9 - 11%)

OTHER DETAILS

STABILITY, HANDLING & STORAGE	
MELTING POINT	-55 °C / 32 °F
FLASH POINT	36 °C / 96.8 °F
PACKAGING OPTIONS	HDPE Drum (200 kg) Iso Tank (20000 kg)
SOLUBILITY	Insoluble in water. Soluble in most organic solvents.

