

N-OCTYLMERCAPTAN

SPECIFICATIONS	VALUES	METHODS
Appearance	Clear liquid, no turbidity Or suspended matter	Visual
Purity (% weight)	≥ 98.5	SOP QC-122e (GC)
Mercaptan Sulfur (% weight)	≥ 21.6	Potentiometry SOP QC-085e
Color (APHA)	≤ 15	SOP QC-082e

The above commercial specifications are guaranteed; they were established using the test methods which were in force at the plant at the time of product shipment, and are in accordance with any applicable revision of specifications.

NOM (or octyl mercaptan) is a linear C8 alkyl mercaptan.

USES

NOM has a variety of applications in the chemical, pharmaceutical, agrochemical and mining industries. It is primarily used as a chemical reactant in the manufacture of antioxidants for polyolefins, as well as pesticides (octylthiocarbamates). Some perfluorinated derivatives of NOM are used as bactericides and in waterproofing surfactants.

NOM is a chain transfer agent used to control polymer molecular weight in radical polymerization processes, such as in acrylic polymer manufacture. NOM is formulated as a tertiary collector in flotation processes for recovery of sulfide ores.

In organic synthesis, NOM performs in all the standard reactions of primary mercaptans, including addition on double bonds, reaction with aldehydes or ketones to give thioacetals (mercaptals) and thioacetals and formation of metal-mercaptide salts.

PACKAGING

- Drum: 216 L / 4 x 170kg NW on a pallet
- Semi-Bulk Container S.B.C: 1100 L / 900 kg NW & 2500 L / 1900 kg NW
- Bulk Delivery: Road tanker or Isocontainer on request

PHYSICAL DATA

Density 20° C:	0.840 g/cm ³
Viscosity 20° C:	1.33 mPa.s (cP)
Boiling point:	199° C
Melting point:	- 49° C
Decomposition temperature:	400° C
Flash point (closed cup)	70° C (ASTM)
Vapour pressure 20° C	0.3 mbar (hPa)
Vapour pressure 90° C	17 mbar (hPa)
Refractive index 20°C	1.454

SOLUBILITY

NOM is not soluble in water, slightly soluble in light alcohols and soluble in aromatic and aliphatic hydrocarbons.

STORAGE / SAFETY / PRECAUTIONS DURING USE / HANDLING

Please refer to the safety data sheet before any use

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