



PRODUCT DESCRIPTION

PRODUCT

(3-Aminopropyl)triethoxysilane

CAS

919-30-2

SYNONYM

3-triethoxysilyl-1-Propanamine; Dynasytan AMEO; Silicone A-1100; Triethoxyaminopropylsilane; NUCA 1100; Silane, (?-aminopropyl)triethoxy-; Silane 1100; UC-A 1100; Propylamine, 3-(triethoxysilyl)-; 3-(triethoxysilyl)-1-propanamin; g-Aminopropyl triethoxysilane; 3-Aminopropyltriethoxysilane; 1-Propanamine,3-(triethoxysilyl)-; 3-(Triethoxysilyl)propylamine; AMEO; Dynasytan AMEO-P; A 1112; Silane, (3-aminopropyl) triethoxy-; APTES; Silane, g-aminopropyltriethoxy- Triethoxy (3-aminopropyl) silane; 3-(Triethoxysilyl)-1-Propanamine; 3-(triethoxysilyl)-propylamin; C 50752; (3-Aminopropyl)triethoxysilane; 3-(Triethoxysilyl) propylamine; (3-Aminopropyl) triethoxysilane; (?-Aminopropyl)triethoxysilane; Prosil 220; Union Carbide

A-1100; NSC 95428; (3-aminopropyl)triethoxy-silan;
Silane, (3-aminopropyl)triethoxy-;
Aminopropyltriethoxysilane; AGM 9; A 1100;
Triethoxy(3-Aminopropyl)silane

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FORMULA

C₉H₂₃NO₃Si

HAZARD

8 corrosive

TYPICAL PRODUCT SPECIFICATIONS

MOLECULAR WEIGHT

221.37

EINECS

213-048-4

SMILES

CCO[Si](CCCN)(OCC)OCC

WATER SOLUBILITY

REACTS

REFRACTIVE INDEX

1.422

DENSITY

0.946 g/mL at 25 °C

SENSITIVE

Moisture Sensitive

MELTING POINT

-70 °C

BRN NUMBER

1754988

STORAGE TEMPERATURE

Store at room temperature.

FLASH POINT

205 °F

STABILITY

Stable. Incompatible with acids, strong oxidizing agents.
May decompose on exposure to moisture.

BOILING POINT

217 °C

NOTES

(3-Aminopropyl)triethoxysilane uses and applications include: Coupling agent for plastics; effects immobilization of enzymes; sizing of glass fibers for making laminates; filler for thermosets, thermoplastics; as primer or additive, esp. in epoxy, phenolic, PU, vinyl plastisols and imide systems; in food-pkg. adhesives

CLASS

[Enzymes](#)

FUNCTIONS

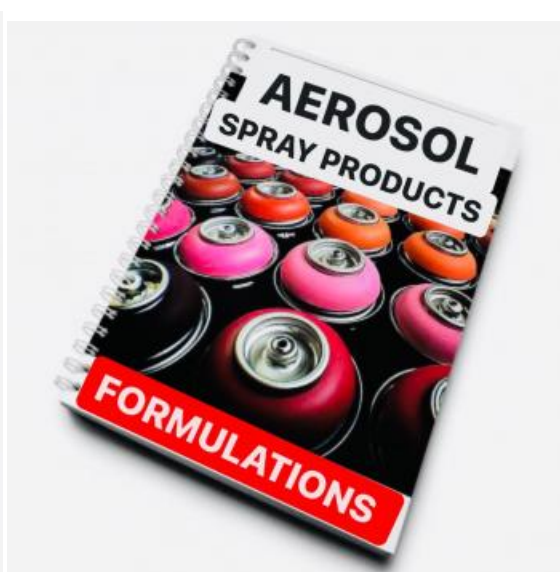
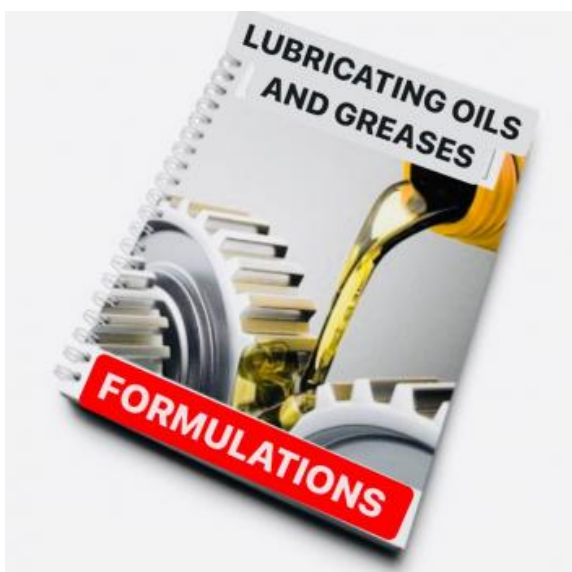
[Enzyme](#), [Additive](#)

INDUSTRY

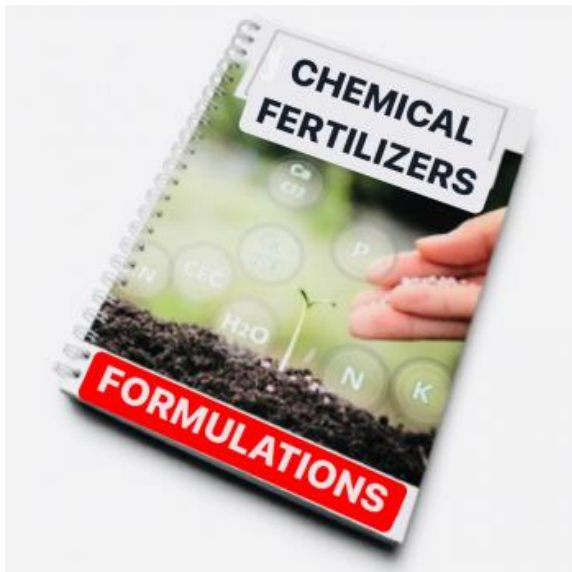
[Industrial](#), [Adhesives](#), [Plastics](#)

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