

#### DEFINITION

Blend of siloxanic acrylic polyesters associated to methionine.

INCI name : ACRYLATES COPOLYMER (and) METHACRYLOYL PROPYLTRIMETHOXYSILANE (and) BENZOYL ISOPROPANOL (and) BENZOPHENONE (and) GLYCIDOXYPROPYL TRIMETHOXYSILANE (and) ACETYL METHIONINE (and) METHYLTRIEHTOXYSILANE (and) MERCAPTOPROPYL TRIMETHOXYSILANE

#### ANALYTICAL COMPOSITION

Syloxanic acrylic polyester	93.4%		
Acetyl methionine and other sulfur derivative	0.6%		
Benzophenone	3.0%	Benzoyl isopropanol	3.0%

#### CHARACTERISTICS

Opalescent liquid, pale yellow to yellowish, viscous, characteristic odour.

Density at 20°C about 1.13

Refractive index about 1.48

Miscible with organic solvents, acetone, ethyl and butyl acetate, toluene, etc...

#### INCOMPATIBILITIES

NONYCHOSINE V7 is not miscible to water or ethyl alcohol.

NONYCHOSINE V7 is sensitive to U.V.'s which cause the polymerization of acrylic resins.

#### TOXICITY

LD50 > 2 g/kg

Skin contact : irritant effect

Eye contact : damage effect

#### ACTIVITIES

• By its composition, NONYCHOSINE V7 ensures an organic fixation of the product on the nail by multiple bonding with keratin, coupled with an invisible superficial resinification controlled by photo-initiation of the hardening process.

NONYCHOSINE V7 incorporated into a nail varnish will harden the nail, ensure a perfect adherence of the varnish to the nail, and increase its resistance to scratches.

• Furthermore, as we know that methionine is present in the nail in large proportions (from about 1.5 to 2% of dry matter), any regeneration of the nail implies the presence of particularly reactive and labile thiol-SH groups. The mercaptosilanol groups contained in NONYCHOSINE V7 are oxido-reductive bonding elements, and participate in the transport of hydrogen and transpeptidation during the formation of keratin chains.

This is principally where the free SH groups condense, onto each other and with proteic elements.

NONYCHOSINE V7 thus normalizes nail-growth, prevents it from drying out, hardens it, increases its resistance and prevents onychosis.

#### USING INDICATIONS

NONYCHOSINE V7 can be diluted in a base solution for an invisible treatment product. It can even potentialize the adherence-quality of a nail polish whilst treating the nail itself.

#### DOSES TO BE USED

From 0.5%