

## Product Information

# Dynasytan® TRIAMO

## Triamino-functional propyltrimethoxysilane

### CAS NUMBER

35141-30-1

### PRODUCT DESCRIPTION

Dynasytan® TRIAMO is an organofunctional silane possessing three reactive amino groups and a hydrolyzable trimethoxysilyl group. The dual nature of its reactivity allows Dynasytan® TRIAMO to bind chemically to both inorganic materials (e.g. glass, metals, fillers) and organic polymers (e.g. thermosets, thermoplastics, elastomers), thus functioning as an adhesion promoter and surface modifier. Dynasytan® TRIAMO is a clear, light to dark yellow liquid with a slight amine-like odor. It is soluble in alcohols, ketones, esters and aliphatic and aromatic hydrocarbon solvents.

#### Typical Properties

Property	Unit	Value
<b>Boiling Point, min.</b> (3 hPa) DIN 51356	°C	114
<b>Chemical Name</b>		N'-2-Aminoethyl-N'-2-aminoethyl-N-3-aminopropyl-trimethoxysilane
<b>Color</b>		colorless to yellow
<b>Density</b> (20 °C) DIN 51757	g/cm <sup>3</sup>	~1.04
<b>Flash Point, min.</b> DIN EN ISO 2719	°C	164
<b>Refractive Index</b> (20,D) DIN 51423		1.46
<b>Viscosity</b> (20 °C) DIN 53015	mPa·s	23

The data represents typical values (no product specification)

### TYPICAL APPLICATIONS

Dynasytan® TRIAMO is used in applications such as:

- PVC-pastisols as an additive (ca. 0.5-1%) to improve adhesion between PVC and metals
- Foundry resins

### BENEFITS & ADVANTAGES

Important product effects that can be achieved through the use of Dynasytan® TRIAMO include:

- Improved adhesion
- Improved moisture and corrosion resistance

### DOSAGE

Dynasytan® TRIAMO may be added to polymer matrix as an additive. In the presence of water, the methoxy (Si-OCH<sub>3</sub>) groups of Dynasytan® TRIAMO hydrolyze to form reactive silanol (Si-OH) groups which can bond to a variety of inorganic substrates. The amine groups of Dynasytan® TRIAMO can react with a suitable polymer. Dynasytan® TRIAMO may be used with PVC and silicones.

### HANDLING & PROCESSING

Before considering the use of Dynasytan® products please read its Safety Data Sheet (SDS) thoroughly for safety and toxicological data as well as for information on proper transportation, storage and use.

The Safety Data Sheet is available on our website <https://silanes.evonik.com/en> or upon request from your local representative, customer service or from Evonik Operations GmbH, Product Safety Department, E-MAIL [sds-hu@evonik.com](mailto:sds-hu@evonik.com).

### PACKAGING

Dynasytan® TRIAMO is supplied in 25, 200 kg drums and 950 kg IBC container.

### SHELF LIFE

In an unopened container Dynasytan® TRIAMO has a shelf life of min. 12 months from delivery.

#### Registration Listings

Registry	Status
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Australia (AIC)	Yes
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Canada (DSL)	Yes
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Switzerland (ChemO)	Yes
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China (IECSC)	Yes
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EU (REACH)	Yes
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European Union (EINECS/ELINCS)	Yes
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#### Registration Listings

Registry	Status
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South Korea (KECL)	Yes
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Philippines (PICCS)	Yes
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Türkiye (KKDIK)	Yes
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Taiwan (TCSI)	Yes
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United States of America (TSCA)	Yes
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#### Disclaimer

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