

Andisil® 142 Silane

CAS# 58160-99-9



TYPICAL PROPERTIES*

CHEMICAL NAME	Aminopropylsilyl compound in water
EMPIRICAL FORMULA	$(H_2NCH_2CH_2CH_2SiO_{1.5}n)$
APPEARANCE	Clear, straw liquid
VISCOSITY, CST	4.0
MOLECULAR WEIGHT	198.72
SPECIFIC GRAVITY @ 25 C	1.08 g/cm ³
BOILING POINT @760MMHG	> 100 C
FLASH POINT	100 C

* These properties are not intended to be used as specifications but only as suggested characteristics

DESCRIPTION

Andisil® 142 Silane is an aqueous solution of an aminoalkyl siloxane. This alcohol-free siloxane significantly improves the adhesion and coupling between organic resins and inorganic surfaces. Andisil® 142 Silane silane is most often used in aqueous systems where the alcohol from hydrolysis causes instability of the formulation or where a high flash point additive is required. The product also reduces volatile organic content (VOC) and does not contain hazardous air polluting substances (HAPS). These benefits are particularly useful to manufacturers seeking to reduce emissions from their water-borne products and processes.

REACTIVITY

Amino Functionality: Reacts with many types of resins including vinyl and acrylic latexes, epoxies and phenolics. Promotes bonding to many inorganic materials

Silanol Functionality: Adheres or couples with inorganic materials, such as siliceous fillers, glass and metal substrates.

APPLICATION

Andisil® 142 Silane is used as an additive for water-soluble / dispersible resin formulations or as a surface treatment.

Typical Applications

- Waterborne Sealants
- Waterborne Coatings
- Waterborne Adhesives
- Filler Treatment
- Insulation Glass Fiber Binders
- Water based Primers

STORAGE & SHELF LIFE

The shelf life, when the container is stored unopened and under proper conditions above 50 °F, is expected to be a minimum of two (2) years.

PACKAGING

Available upon request.

For additional information on the product, please contact your Sales Representative.



We believe that the information shown in this Product Bulletin to be an accurate description of the typical characteristics and/or uses of the product. Any suggestions of uses are not to be taken as an inducement to infringe any particular domestic or foreign patent. We recommend that the product be thoroughly tested for a specific application to determine the performance, efficacy and its safe handling and use.

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