

SILSOURCE™ WR0802

TRIFLUOROPROPYLTRIMETHOXYSIANE

PRODUCT DESCRIPTION

WR0802, Trifluoropropyltrimethoxysilane is a fluorosilane compound known for its ability to impart unique fluorocarbon properties such as low surface energy, chemical resistance, and hydrophobicity to surfaces and materials.

TYPICAL PRODUCT DATA*

Property	Unit	Typical Value
CAS#	-	429-60-7
Molecular Weight	g/mol	218.25
Formula		C ₂₁ H ₄₆ O ₃ Si
Appearance	-	Colorless clear liquid
Boiling Point	°C	150
Flash Point	°C	140
Refractive Index	-	1.439
Density	g/cm ³	0.885
Purity	%	≥95%

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

PACKAGING

The size of the available packages can be checked with Sales Department. WR0802 is typically supplied in 25kg pails.

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEET AND CONTAINER LABELS FOR SAFE USE, PHYSICAL, ENVIRONMENTAL, AND HEALTH HAZARD INFORMATION.

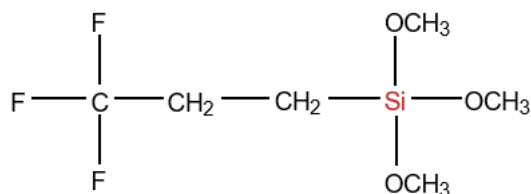
LIMITATIONS: Not intended for human injection. This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Limited Warranty: Silsource Inc. warrants to Buyer that for a period of 12 months from the date of manufacture of the products, such products will materially conform to Silsource Inc.'s specifications in effect as of the date of manufacture. This warranty does not apply where the products have (a) been subjected to abuse, misuse, neglect, negligence, accident, improper testing, improper installation, improper storage, improper handling, abnormal physical stress, abnormal environmental conditions, or use contrary to any instructions issued by Silsource Inc.; (b) been reconstructed, repaired, or altered by persons other than Silsource Inc. or its authorized representatives; or (c) been used with any third-party product or hardware that has not been previously approved in writing by Silsource Inc. Buyer's exclusive remedy for breach of the limited warranty shall be a refund of the purchase price or replacement of the product, at Silsource Inc.'s sole discretion.

Disclaimer: EXCEPT FOR THE EXPRESS LIMITED WARRANTY SET OUT ABOVE, SILSOURCE INC. MAKES NO WARRANTY WHATSOEVER WITH RESPECT TO THE GOODS, INCLUDING ANY (A) WARRANTY OR CONDITION OF MERCHANTABILITY; (B) WARRANTY OR CONDITION OF FITNESS FOR A PARTICULAR PURPOSE; (C) WARRANTY OR CONDITION OF TITLE; OR (D) WARRANTY AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OF A THIRD PARTY, WHETHER EXPRESS OR IMPLIED AND WHETHER ARISING BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE, OR OTHERWISE. BUYER ACKNOWLEDGES THAT IT HAS NOT RELIED UPON ANY REPRESENTATION, CONDITION, OR WARRANTY MADE BY SILSOURCE INC., OR ANY OTHER PERSON ON SILSOURCE INC.'S BEHALF, EXCEPT AS SPECIFICALLY PROVIDED ABOVE.

VERSION: 1 Last updated: 24 April 2024

TECHNICAL DATA SHEET



TYPICAL FEATURES AND APPLICATIONS

WR0802 is a fluorinated alkylsilane. It contains a trifluoropropyl group attached to a silicon atom with three hydrolysable methoxy groups.

WR0802 is used for production of fluorosilicone fluids and fluorosilicone resins.

INFORMATION FOR USE

WR0802 is used as a surface modifier to generate hydrophobicity (e.g. concrete, glass, inorganic pigments, or mineral fillers). It can improve compatibility between pigments or inorganic fillers and organic polymers or solvents, allow easy pigment or mineral filler dispersion. Recommended level is 0.5~1.5% based on the weight of filler or pigment.

SHELF LIFE AND STORAGE

In the unopened original container WR0802 has a shelf life of one year in a dry, cool, ventilation, temperature less than 30 degrees warehouse storage, away from fire.