

Amodrill® 2110 Polyalphaolefin

Amodrill 2110 polyalphaolefin is a polymeric material with relatively low viscosity for use as an additive in drilling formulations. Formulations containing Amodrill 2110 will exhibit improved lubricity and wellbore stability compared to conventional oil-based drilling muds. This additive shows favorable aquatic toxicity properties as demonstrated in Environmental Test Properties Table.

Typical Properties¹

Resin	Value	Test Method
Kinematic Viscosity, cSt		
40 °C	5.5	ASTM D-445
100 °C	1.8	ASTM D-445
Pour Point	< -65 °C	ASTM D-97
Flash Point	155 °C	ASTM D-92
Aniline Point	103.5 °C	ASTM D-611
Density		
15.6 °C, g/mL	0.797	ASTM D-4052-91
60 °F, lb/gal	6.65	ASTM D-4052-91

¹Typical properties will vary within specification limits.

Transportation Mode - Amodrill 2110 polyalphaolefin

Chemical Registration Numbers: CAS: 68649-11-6

Environmental Test Properties

Ecotoxicity Species	Toxicity	Method
Mysid shrimp	556,000 - > 1,000,000 ppm (SPP)	LC ₅₀ (96-h)
Biodegradability Aquatic Environment	Biodegradation	Method
Marine Aerobic Ultimate, 157 d	57% ThO ₂	BODIS
Freshwater Aerobic Ultimate, 28 d	62% ThCO ₂	OECD 301 B
Freshwater Aerobic Primary, 21 d	92%	CEC-L-33-A94



INEOS Oligomers

Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an e-mail to: oligomersmsds@ineos.com.

Health and Safety Information

The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained by calling +1-866-363-2454 (Toll Free-North America), or by sending an e-mail to: oligomersmsds@ineos.com. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

The Material Safety Data Sheet for this product contains shipping descriptions and should be consulted, before transportation, as a reference in determining the proper shipping description. If the material shipped by Ineos Oligomers is altered or modified, different shipping descriptions may apply and the MSDS of the original material should not be used.

For additional information, samples, pricing and availability, please contact:

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