

INEOS Oligomers

Amodrill® 1100 Synthetic Olefin

Amodrill1100 synthetic olefin is a low-viscosity fluid with the excellent environmental properties of biodegradation and low aquatic toxicity. This product is used as a base component in formulations designed to improve the performance, lubricity, and wellbore stability expected from conventional mineral oil-based muds. Because of its' rapid biodegradation and low toxicity, it may be an acceptable fluid for sensitive regions.

Typical Properties¹

	Value	Test Method
Kinematic Viscosity, cSt		
40 °C	2.09	ASTM D-445
100 °C	0.97	ASTM D-445
Pour Point	- 12 °C	ASTM D-97
Flash Point	114 °C	ASTM D-92
Aniline Point	64.7 °C	ASTM D-611
Density		
15.6 °C, g/mL	0.779	ASTM D-4052-91
60 °F, lb/gal	6.50	ASTM D-4052-91

¹Typical properties will vary within specification limits.

Transportation Mode - Amodrill 1100 synthetic olefin

Amodrill 1100 synthetic olefin is stored under a nitrogen blanket. This product is available in tank trailers and tank cars, and in drums on special order.

Chemical Registration Numbers

CAS: 68855-59-4
EINECS: 2724932

Environmental Test Properties

Ecotoxicity

Species	Toxicity	Method
Acartia tonsa	>10,000 mg/L	LC50 (48-h)
Skeletonema costatum	>10,000 mg/L	EC50 (72-h)
Mysid shrimp (Formulated mud) ppm (SPP)	509,000	LC50 (96-h)
(10% in GM7) ppm (SPP)	17,000	LC50 (96-h)

Biodegradability

Aquatic Environment

	Biodegradation	Method
Marine Aerobic Ultimate, 28 d	73% ThO ₂	OECD 306
Anerobic Closed Bottle Test, 275 d	pass	U.S. EPA

Ratings: Slight = 76-100% of reference {Untreated Soil}



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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:

INEOS Oligomers

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