



MATERIAL SAFETY DATA SHEET

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AMODRILL 1400

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: AMODRILL 1400
Chemical Family: Synthetic Olefin
WHMIS Classification: No controlled
Workplace Hazard: No known significant effects or critical hazards.

Product Use: Oilfield Drilling Fluid
TDG Classification: Not regulated
Packaging Group: Not applicable
PIN: Not applicable

SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD ₅₀ (Rat/ Oral)	LC ₅₀ (Species/Route)
No hazardous ingredients listed				

SECTION III: TOXICOLOGICAL PROPERTIES

Route of entry: Skin Eye Contact Inhalation Ingestion

Effects of acute exposure: Aspiration of product during swallowing or vomiting may cause chemical pneumonitis and can be fatal.

Effects of chronic exposure: Prolonged or repeated exposure may dry skin and cause irritation.

Exposure limits: Not available

Irritancy of product: Prolonged or repeated contact may dry skin and cause irritation.

Sensitization to product: Not available

Carcinogenicity: No component of this product at levels >0.1% is identified as a carcinogen by ACGIH, IARC, NTP or the U.S. OSHA.

Reproductive toxicity: No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a reproductive toxin.

Teratogenicity: No component of this product at levels greater than 0.1% is classified by established regulatory criteria as teratogenic or embryotoxic.

Mutagenicity: No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a mutagen.



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SECTION IV: FIRST AID MEASURES

Skin contact: Immediately wash thoroughly with water while removing contaminated clothing. If irritation develops, obtain medical attention.

Eye contact: Immediately flush with gently flowing warm water for 15 minutes or until irritation ceases. If irritation persists, obtain medical attention.

Inhalation: Move victim to fresh air. Apply oxygen or artificial respiration if required. Obtain medical attention.

Ingestion: Do not induce vomiting or give liquids. Obtain immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration of vomitus.

SECTION V: PHYSICAL DATA

Physical state: Liquid

Appearance and odour: Colourless, hydrocarbon odour

Odour threshold: Not available

Specific gravity: <1

Vapor pressure (mmHg): <0.1

Vapor density (Air=1): Not available

Evaporation rate: Not available

Boiling point (°C): 245 to 250 °C

Freeze/Melting point (°C): Not available

pH: Not applicable

Co-efficient of water/oil distribution: Insoluble in water



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SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: This product is combustible.

Means of extinguishing: In case Dry chemical, water fog, CO₂ or foam.

Flash point: 116 °C (Open cup) Cleveland

Upper flammable limit: 4.3%

Lower flammable limit: 0.3%

Auto-ignition temperature: Not available

Hazardous combustion products: Not available

Explosion data-sensitivity to mechanical impact: Not available

Explosion data-sensitivity to static discharge: Not available

SECTION VII: REACTIVITY DATA

Chemically unstable (conditions): The product is stable

Product incompatible with: Avoid contact with strong oxidizers. Avoid ignition sources.

Conditions of reactivity: Avoid contact with strong oxidizers. Avoid Ignitions sources.

Hazardous decomposition products: Oxides of Carbon



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SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: Under normal conditions respiratory protection is not required. In poorly ventilated areas or enclosed spaces use an approved respirator with organic vapour cartridges or SCBA as required to prevent exposure. Chemical resistant gloves recommended. Wear non-vented chemical goggles during use. Full body covering clothing recommended. Ensure eye wash station and emergency shower are available.

Specific engineering controls: Use local exhaust ventilation, process enclosure or other engineering controls to maintain concentration of mists and vapours below TLV. Ensure all equipment used is explosion proof.

Procedures for leak/spills: Use appropriate safety equipment and personnel protective equipment. Evacuate nonessential personnel. Eliminate ignition sources. Stop leak if possible to do so without risk. For large spills, dike to prevent spread. Collect spilled material by vacuum if possible. Soak up remainder and small spills with absorbent material. Collect contaminated material and absorbents in approved containers for disposal. Large pools may be covered with foam to prevent vapour evolution. Comply with federal, provincial and local requirements for spill notification.

Waste disposal: Dispose of in accordance with federal, provincial and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal.

Handling procedures and equipment: Practice reasonable caution and personal cleanliness. Avoid prolonged or repeated skin contact. Thoroughly clean contaminated clothing and footwear before reuse.

Storage requirements: Keep away from oxidizers and ignition sources. Maintain temperature below flash point. Ground and bond containers before transferring.

Special shipping information: Not applicable

SECTION IX: PREPARATION

Date updated: October 4, 2009

Prepared by: Product Safety Committee

All the recommendations and suggestions herein concerning this product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and sustainability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Q'Max Solutions Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Q'Max Solutions Inc. assume any liability arising out of use by others. Nor is the information herein to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.