



MATERIAL SAFETY DATA SHEET

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1-613-996-6666 – CANUTEC – Transportation Emergency
1-888-243-9771 – ChExSS – Chemical Exposure

PURE DRILL HT40N

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: PURE DRILL HT40N
Chemical Family: Not applicable
WHMIS Classification: Not applicable
Workplace Hazard: Irritant

Product Use: Base oil
TDG Classification: Not applicable
Packaging Group: Not applicable
PIN: Not applicable

SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD ₅₀ (Species/Route)	LC ₅₀ (Species/Route)
Mixture of severely hydrotreated and hydrocracked base oil (petroleum) and other proprietary, non-hazardous additives.	100	Mixture	<ul style="list-style-type: none">Acute Oral toxicity (LD50): >5000 mg/kg (rat)Acute Dermal toxicity (LD50): >2000 mg/kg (rabbit)	>2300 mg/m ³ /4h (rat)

SECTION III: TOXICOLOGICAL PROPERTIES

Route of entry: Skin Eye Contact Inhalation Ingestion

Effects of acute exposure: slight irritation, if any to the skin and eyes. If heated to high temperatures or subjected to mechanical actions which produce vapours or mists, inhalation may cause respiratory tract irritation. of this product may lead to aspiration of the liquid, especially if vomiting occurs. This may result in chemical pneumonitis (inflammation of the lungs) and/or pulmonary edema (an accumulation of fluid in the lungs). May produce a laxative effect.

Effects of chronic exposure: Prolonged or repeated contact may defat and dry skin, and cause dermatitis.

Exposure limits: TLV-TWA (8h) : 5mg/m³ (oil mist). STEL: 10mg/m³ (oil mist). CEILING: Not established

Irritancy of product: See "Effects of acute exposure".

Sensitization to product: Not applicable

Carcinogenicity: Not applicable

Reproductive toxicity: Not applicable

Teratogenicity: Not applicable

Mutagenicity: Not applicable

Name of toxicological synergistic products: Not applicable



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SECTION IV: FIRST AID MEASURES

Skin contact: Quickly and gently, blot or brush away excess chemical. Wash gently and thoroughly with water and non-abrasive soap for 5 minutes or until chemical is removed. Remove contaminated clothing, shoes and leather goods (e.g., watchbands, belts, etc.). If irritation persists, repeat flushing. Obtain medical advice immediately. Completely decontaminate clothing, shoes and leather goods before reuse or discard

Eye contact: No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the chemical is removed. If irritation persists, obtain medical advice.

Inhalation: Remove source of contamination or move victim to fresh air. If irritation persists, obtain medical advice.

Ingestion: NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. DO NOT INDUCE VOMITING. Have victim drink 240 to 300 ml (8 to 10 oz) of water to dilute material in stomach. If vomiting occurs naturally, rinse mouth and repeat administration of water. Obtain medical attention.

SECTION V: PHYSICAL DATA

Physical state: Liquid.

Appearance and odour: Clear and bright viscous liquid. No odour or slight petroleum oil like.

Odour threshold: Not available

Specific gravity: 0.8450 kg/L @ 15°C (59°F).

Vapor pressure (mmHG): Negligible at ambient temperature and pressure.

Vapor density (Air=1): Lower than 1

Evaporation rate: Not applicable

Boiling point (°C): Not applicable

Freeze/Melting point (°C): Not applicable

pH (%): Not applicable

Co-efficient of water/oil distribution: Not available

Solubility: Insoluble in water



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SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: May be combustible at high temperature. Low fire hazard. This material must be heated before ignition will occur. Do not cut, weld, heat, drill or pressurize empty container. Containers may explode in heat of fire.

Means of extinguishing: SMALL FIRE: use DRY chemicals, foam, or CO₂. LARGE FIRE: use water spray, fog or foam. For small outdoor fires, portable fire extinguishers may be used, and self contained breathing apparatus (SCBA) may not be required. For all indoor fires and any significant outdoor fires, SCBA is required. Respiratory and eye protection are required for fire fighting personnel.

Flash point: Closed Cup : >104°C (219.2°F) (Pensky-Martens)

Upper flammable limit: Not available

Lower flammable limit: Not available

Auto-ignition temperature: Not available

Hazardous combustion products: Carbon oxides (CO, CO₂), nitrogen oxides (NO_x), part oxidised hydrocarbon fragments, smoke and irritating vapours as products of incomplete combustion.

Explosion data-sensitivity to mechanical impact: Not applicable

Explosion data-sensitivity to static discharge: Not applicable

SECTION VII: REACTIVITY DATA

Chemically unstable (conditions): The product is stable under normal handling and storage conditions.

Product incompatible with: Reactive with oxidizing agents.

Conditions of reactivity: Not applicable

Hazardous decomposition products: May release CO_x, NO_x, part oxidized hydrocarbon fragmen, smoke and irritating vapours when heated to decomposition.



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SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: As a minimum, safety glasses with side shields should be worn when handling this material. If this material may come in contact with the body during handling and use, we recommend wearing appropriate protective clothing to prevent contact with the skin. A minimum of NIOSH-approved air-purifying respirator with an organic vapour cartridge or canister with a dust, fume or mist filter (R, or P series) may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. A NIOSH-approved positive-pressure, air-supplied respirator or self-contained breathing apparatus may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. If this material may come in contact with the hands during handling and use, we recommend wearing gloves of the following material(s): Neoprene, Nitrile, Polyvinyl alcohol (PVA), Fluoro-elastomer. Wear appropriate footwear to prevent product from coming in contact with feet and skin.

Specific engineering controls: For normal application, special ventilation is not necessary. If user's operations generate vapours or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Make-up air should always be supplied to balance air removed by exhaust ventilation. Ensure that eyewash station and safety shower are close to work-station.

Procedures for leak/spills: Consult current National Emergency Response Guide Book (NAERG) for appropriate spill measures if necessary. Extinguish all ignition sources. Stop leak if safe to do so. Dike spilled material. Use appropriate inert absorbent material to absorb spilled product. Collect used absorbent for later disposal. Avoid contact with spilled material. Avoid contaminating sewers, streams, rivers and other water courses with spilled material. Notify appropriate authorities immediately.

Waste disposal: Spent/ used/ waste product may meet the requirements of a hazardous waste. Consult your local or regional authorities. Ensure that waste management processes are in compliance with government requirements and local disposal regulations.

Handling procedures and equipment: Avoid contact with any sources of ignition, flames, heat, and sparks. Avoid eye contact. Avoid skin contact. Avoid inhalation of product vapours or mists. Empty containers may contain product residue. Do not pressurize, cut, heat, or weld empty containers. Do not reuse containers without commercial cleaning and/or reconditioning. Personnel who handle this material should practice good personal hygiene during and after handling to help prevent accidental ingestion of this product. Properly dispose of contaminated leather articles including shoes that cannot be decontaminated.

Storage requirements: Store away from incompatible and reactive materials (See section 5 and 10). Keep container tightly closed. Store in dry, cool, well-ventilated area.

Special shipping information: Not applicable

SECTION IX: PREPARATION

Date updated: August, 2008

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.