# MATERIAL SAFETY DATA SHEET

#### Section 1: Product & Company Information

Product Name: Dril Xcaliper

Chemical Family: **Neutralized Amines** 

Product Use: **Drilling Fluid Additive** 

Workplace Hazardous Materials Information Systems Data (WHMIS):

Class Class ID Workplace Hazard

D-2-B Materials Causing Other Toxic Effects - Toxic Skin and eye irritant

Manufacturer Name: M & D Industries Of Louisiana, Inc.

Address: Richland 70508 502 Avenue Lafayette, La

General Phone Number: (337)984.0471

General Fax Number: (337)981.2131

MSDS Revision Date: 01-01, 2012

M & D Industries Of Louisiana, Inc. SUPPLIER:

> 70508 Richland Avenue Lafayette, La

> > (337)984.0471

## Section 2: Composition/Information on Ingredients

Chemical Name Concentration CAS# 1,6-Hexanediamine 30-60% 124-09-4

#### Section 3: Hazards Identification

Emergency Overview: Routes of Entry:

Skin Contact: Yes

Skin Absorption: No

Eye Contact: Yes

Inhalation: Yes

Ingestion: Yes

Potential Health Effects:

Skin: Not expected to be a problem under normal conditions of use. Liquid may

cause irritation.

Eye: Not expected to be a problem under normal conditions of use. Liquid may

cause irritation.

Inhalation: Not expected to be a problem under normal conditions of use.

Ingestion: Not expected to be a problem under normal conditions of use.

Section 4: First Aid Measures

Eye Contact: In case of eye contact, flush eyes with water for at least 15 minutes. Seek

immediate medical attention.

Skin Contact: In case of skin contact, immediately remove contaminated clothing and flush

affected area with water for at least 15 minutes. Launder contaminated clothing

before re-use. If irritation develops, seek medical attention.

Inhalation: Remove patient to fresh air. If breathing has stopped, administer artificial

respiration, preferably mouth-to-mouth resuscitation. If breathing is difficult,

administer oxygen. Seek medical attention

Ingestion: If patient is conscious, administer water to drink. Do NOT induce vomiting.

Seek immediate medical attention.

Other First Aid:

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502 RICHLAND AVE. / LAFAYETTE, LA. 70508 Phowww.ultrasealinc.com

Phone:337-984-0471

#### Section 5: Fire Fighting Measures

Conditions Of Flammability:

Extinguishing Media: Water, dry chemical, foam

Flashpoint: >100°C (TCC)

Upper Flammable Limit: NA
Lower Flammable Limit: NA

Autoignition Temperature:

Protective Equipment: Self-contained respirators required for firefighting personnel.

Sensitivity To Impact or Static Discharge:

Hazardous Combustion Products: None known.

Fire Comment:

#### Section 6: Accidental Release Measures

Personnel Precautions: Use proper personal protective equipment as listed in section 8.

Spill Cleanup Measures: Wear protective equipment. For spills, dike and pick up spilled material, and

dispose of in approved waste containers. Keep out of sewers, storm drains,

surface waters, and soil.

# Section 7: Handling & Storage

Handling: Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing.

Do not cut, grind, weld, or drill on or near the containers. Empty containers will contain product residue. Always obey hazard warnings and handle empty

containers as if they were full.

Storage: Store in a cool, dry, well ventilated place, away from incompatible materials.

## Section 8: Exposure Controls, Personal Protection, Exposure Guidelines

Engineering Controls: General mechanical, 10 changes per hour

Personal Protective Equipment: Safety glasses, chemical-resistant gloves, and rubber apron recommended.

Respiratory Protection: Not expected to be necessary under normal conditions of use.

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Exposure Limits:

Chemical Name ACGIH TLV-TWA OSHA PEL-TWA 1,6-Hexanediamine Not Available Not Available

## Section 9: Physical & Chemical Properties

Physical State: Liquid

Odour And Appearance: Clear colourless liquid; odourless

Odour Threshold:

Boiling Point: >100°C

Evaporation Rate: Not determined

Melting Point: <-35°C

Freezing Point: <-35°C

Specific Gravity: 1.095

Solubility in Water:

Vapour Density:

Vapour Pressure:

Not determined

Not determined

pH: 7.2 - 7.7

Flash Point: >100°C (TCC)

Volatility (% by volume):

Coefficient of Water to Oil distribution:

# Section 10: Stability & Reactivity

Chemical Stability: Yes

Hazardous Polymerization: Will not occur

Conditions Of Chemical Instability: Not known

Incompatible Substances: Strong oxidizers

Special Decomposition Products:  $CO_x$ ,  $NO_x$ 

# Section 11: Toxicological Information

Chemical Name LD 50 (Oral Rat) LD 50 (Dermal Rabbit) LC 50 (Inhalation Rat)

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1,6-Hexanediamine 750 mg/kg 1110 mg/kg Not Determined

General Irritancy Of Product:

Sensitization:

Carcinogenicity:

Not determined

Reproductive Toxicity:

Not determined

Teratogenicity:

Not determined

Embryotoxicity:

Not Available

Mutagenicity:

Not determined

Synergistic Products:

Not determined

# Section 12: Ecological Information

Environmental Fate: Not Available

Not Available

Not Available

### Section 13: Disposal Considerations

Waste Disposal: Dispose of contaminated product and materials in an approved matter for this

material. Consult appropriate federal, provincial, and local regulatory agencies

to ascertain proper disposal procedures.

# Section 14: Transport Information

TDG Classification: NA

DOT UN Number: NA

Shipping Notes: Not regulated

# Section 15: Regulatory Information

Workplace Hazardous Materials Information Systems Data (WHMIS):

Class ID Class Workplace Hazard

D-2-B Materials Causing Other Toxic Effects - Toxic Skin and eye irritant

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the

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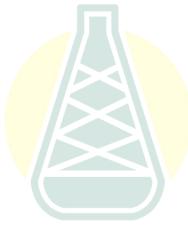
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#### Section 16: Additional Information

MSDS Revision Date:: Jan 1, 2012

MSDS Author: M & D Industries Of Louisiana, Inc.

Disclaimer:



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# **M&DINDUSTRIES** OF LOUISIANA