

MATERIAL SAFETY DATA SHEET

TORQUELESS

Product Identification

MANUFACTURER'S NAME:	Control Chemical (1989) Corporation
MANUFACTURER'S ADDRESS:	7016, 30 th Street S.E. Calgary, Alberta, Canada T2C 1N9 (403) 720-7044
EMERGENCY PHONE NUMBER:	
SUPPLIER IDENTIFIER:	
SUPPLIER'S ADDRESS:	
SUPPLIER'S EMERGENCY PHONE NUMBER:	
PRODUCT IDENTIFIER:	TORQUELESS
PRODUCT USE:	Drilling Lubricant (Vegetable oil base)

Hazardous Ingredients of Materials

Chemical Identity	Concentration	CAS#/NA#/UN# LD (50) LC (50)
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This is not a hazardous or controlled product.

Physical Data for Product

PHYSICAL STATE:	Liquid
ODOUR AND APPEARANCE:	Dark brown, distinctive
ODOUR THRESHOLD:	
SPECIFIC GRAVITY:	0.887
VAPOR PRESSURE:	Not established
VAPOR DENSITY (Air = 1):	Not established
EVAPORATION RATE:	Not established
BOILING POINT:	>300 degrees C
FREEZING POINT:	-18 degrees C
pH:	7.0 – 7.2
DENSITY (g/ml):	
COEFFICIENT OF WATER / OIL DISTRIBUTION:	Not available

Fire and Explosion Hazard of Product

CONDITIONS OF FLAMMABILITY:	
MEANS OF EXTINCTION:	Foam, CO ₂ , Dry Chemical, water spray
FLASHPOINT AND METHOD OF DETERMINATION:	290 degrees C C.C.
UPPER EXPLOSION LIMIT (% by Vol):	Not available
LOWER EXPLOSION LIMIT (% by Vol):	Not available
AUTO-IGNITION TEMPERATURE:	Not available
FLAMMABILITY CLASSIFICATION:	
HAZARDOUS COMBUSTION PRODUCTS:	Not available
EXPLOSION DATA:	Not available
SENSITIVITY TO STATIC DISCHARGE:	None

Reactivity Data

CHEMICAL STABILITY:	Stable
INCOMPATIBLE MATERIALS:	None
CONDITIONS OF REACTIVITY:	None
HAZARDOUS DECOMPOSITION PRODUCTS:	If burnt, oxides of sulphur

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Toxicological Properties of Product

ROUTES OF ENTRY:	
SKIN CONTACT:	Wash with soap and water
SKIN ABSORPTION:	None
EYE:	Flush with water for 15 minutes
INHALATION:	No hazard during normal use
INDIGESTION:	Do not induce vomiting, contact physician. Not toxic
ACUTE OVER EXPOSURE EFFECTS:	Inhalation: Not hazardous unless burning toxic fumes possible. Ingestion: Greater than 5000 mg/kg in rats. Eyes: Eye irritation not expected. Skin: No skin irritation or allergic reaction expected
CHRONIC OVER EXPOSURE EFFECTS:	Inhalation: Not hazardous unless burning toxic fumes possible. Ingestion: Greater than 5000 mg/kg in rats. Eyes: Eye irritation not expected. Skin: No skin irritation or allergic reaction expected
EXPOSURE LIMITS:	Not available
IRRITANCY OF PRODUCT:	Not an irritant
SENSITIZATION TO MATERIAL:	None
CARCINOGENICITY, REPRODUCTIVE EFFECTS:	Not available
TERATOGENICITY, MUTAGENICITY:	Not available
TOXICOLOGICALLY SYNERGISTIC PRODUCTS:	Not available

Preventive Measures

PERSONAL PROTECTIVE EQUIPMENT:	Not necessary
SPECIFIC ENGINEERING CONTROLS:	
LEAK AND SPILL PROCEDURES:	Although product is environmentally safe, spills should be contained and wiped up
WASTE DISPOSAL:	Although product is environmentally safe, spills should be contained and wiped up. Dispose according to Federal, Provincial or Municipal Laws
HANDLING PROCEDURES AND EQUIPMENT:	None
STORAGE REQUIREMENTS:	None
SPECIAL SHIPPING INFORMATION:	None

First Aid Measures

SPECIFIC FIRST AID PROCEDURES:	Eyes: Flush with water for 15 minutes Ingestion: Do not induce vomiting, contact physician. Not toxic. Skin: Wash with soap and water.
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Preparation Date of Material Safety Data Sheet

PREPARED BY:	Safety Committee
PHONE NUMBER OF PREPARER:	(403) 720-7044
DATE PREPARED:	January 02, 2006

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