

# Material Safety Data Sheet

## HI TECH 100-50

### Material Identification and Use

MANUFACTURER'S NAME.....CONTROL CHEMICAL (1989) CORPORATION  
MANUFACTURER'S ADDRESS .....7016 30 Street SE Calgary, AB Canada T2C 1N9  
EMERGENCY PHONE NUMBER .....(403) 720-7044  
SUPPLIER IDENTIFIER .....  
SUPPLIER'S ADDRESS .....  
SUPPLIER EMERGENCY PHONE NUMBER .....  
PRODUCT IDENTIFIER.....HI TECH 100-50  
PRODUCT USE .....Drilling Mud

### Hazardous Ingredients of Materials

Chemical Identity	Concentration	CAS#/NA#/UN#	LD(50)	LC(50)
Mineral Spirits	7-14%	CAS 64742-47-8	(Oral, Rat) Over 8 ml/kg or >6,400 mg/kg	N/E

### Physical Data For Product

PHYSICAL STATE.....Liquid  
ODOUR AND APPEARANCE .....Slight oil smell, brown appearance.  
ODOUR THRESHOLD.....N/E  
SPECIFIC GRAVITY .....0.98  
VAPOUR PRESSURE .....N/E  
VAPOUR DENSITY (air=1).....N/E  
EVAPORATION RATE.....N/E  
BOILING POINT .....N/E  
FREEZING POINT .....-30 Degrees C  
pH .....8-9  
DENSITY (g/ml) .....N/E  
COEFFICIENT OF WATER/OIL DISTRIBUTION .....N/E

### Fire and Explosion Hazard of Product

CONDITIONS OF FLAMMABILITY .....Requires a source of ignition, the presence of air, and a temperature greater than the flashpoint.  
MEANS OF EXTINCTION .....In case of fire, foam, dry chemical, or CO2. AVOID USE OF WATER-SLIPPERY CONDITIONS WILL OCCUR.  
FLASHPOINT AND METHOD OF DETERMINATION .>200 degrees F  
UPPER EXPLOSION LIMIT(% BY VOL) .....N/E  
LOWER EXPLOSION LIMIT(% BY VOL) .....N/E  
AUTO-IGNITION TEMPERATURE .....N/E  
FLAMMABILITY CLASSIFICATION.....N/A  
HAZARDOUS COMBUSTION PRODUCTS.....CO, CO2, Oxides of sulphur produced on combustion.  
EXPLOSION DATA .....N/E  
SENSITIVITY TO STATIC DISCHARGE .....N/A

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### Reactivity Data

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CHEMICAL STABILITY ..... Stable  
INCOMPATIBLE MATERIALS ..... Oxidizing materials.  
CONDITIONS OF REACTIVITY ..... N/A  
HAZARDOUS DECOMPOSITION PRODUCTS ..... N/A

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### Toxicological Properties of Product

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ROUTES OF ENTRY  
SKIN CONTACT ..... Contact may cause irritation, redness, swelling or dermatitis.  
SKIN ABSORPTION ..... N/A  
EYE..... Will cause painful burning or stinging of eyes and lids, watering of eyes, and inflammation of conjunctiva.  
INHALATION..... N/A  
INGESTION ..... May cause gastrointestinal irritation, cramps, diarrhoea.  
ACUTE OVER EXPOSURE EFFECTS ..... N/E  
CHRONIC OVER EXPOSURE EFFECTS ..... Skin irritation or dermatitis may occur upon frequent or prolonged contact.  
EXPOSURE LIMITS..... N/E  
IRRITANCY OF PRODUCT ..... Moderate skin and eye irritant.  
SENSITIZATION TO MATERIAL..... N/E  
CARCINOGENICITY, REPRODUCTIVE EFFECTS ..... N/E  
TERATOGENICITY, MUTAGENICITY ..... N/E  
TOXICOLOGICALLY SYNERGISTIC PRODUCTS ..... N/E

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### Preventive Measures

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PERSONAL PROTECTIVE EQUIPMENT ..... Wear eye/face protection. Wear suitable gloves.  
SPECIFIC ENGINEERING CONTROLS ..... N/A  
LEAK AND SPILL PROCEDURES..... CONTAIN THE SPILL. SOAK UP WITH AN ABSORBENT MATERIAL.  
CLEAN WITH AN ADEQUATE SOLVENT.  
WASTE DISPOSAL..... In accordance with Municipal, Provincial and Federal regulations.  
HANDLING PROCEDURES AND EQUIPMENT ..... N/A  
STORAGE REQUIREMENTS ..... STORE IN A TIGHTLY SEALED CONTAINER.  
SPECIAL SHIPPING INFORMATION ..... Not Regulated TDG and IMO.

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### First Aid Measures

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SPECIFIC FIRST AID PROCEDURES..... FLUSH EYES WITH WATER. RINSE CONTAMINATED SKIN WITH SOAP AND WATER. IF INGESTED, GIVE WATER. DO NOT INDUCE VOMITING. CALL A PHYSICIAN.

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### Preparation Date of Material Safety Data Sheet

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PREPARED BY..... The Safety Committee  
PHONE NUMBER OF PREPARER..... (403) 720-7044  
DATE PREPARED ..... January 2, 2009

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