

**Material Safety Data Sheet**  
**(R.D.O. 302 ES (Nonsoluble & Soluble))**

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**Material Identification and Use**

MANUFACTURER'S NAME ..... Control Chemical (1989) Corp.  
MANUFACTURER'S ADDRESS ..... 7016 30 Street SE Calgary, AB T2C 1N9  
EMERGENCY PHONE NUMBER..... (403) 720-7044  
SUPPLIER IDENTIFIER.....  
SUPPLIER'S ADDRESS.....  
SUPPLIER EMERGENCY PHONE NUMBER.....  
PRODUCT IDENTIFIER ..... RDO 302 ES (Nonsoluble & Soluble)  
PRODUCT USE..... Rock Drill Oil (vegetable oil based)

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**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.

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**Physical Data For Product**

PHYSICAL STATE ..... Liquid  
ODOUR AND APPEARANCE ..... Dark Brown, Distinctive  
ODOUR THRESHOLD ..... Not Available  
SPECIFIC GRAVITY ..... .907  
VAPOUR PRESSURE..... Not Available  
VAPOUR DENSITY (air=1) ..... Not Available  
EVAPORATION RATE ..... Not Available  
BOILING POINT ..... >300 degrees C  
FREEZING POINT ..... -30 degrees C  
pH ..... 7.0 - 7.3  
DENSITY (g/ml)..... Not Available  
COEFFICIENT OF WATER/OIL DISTRIBUTION..... Not Available

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**Fire and Explosion Hazard of Product**

CONDITIONS OF FLAMMABILITY ..... Open Flame, Above Flash Point  
MEANS OF EXTINGUISHMENT..... Foam, CO2, Dry Chemical, Water Spray  
FLASHPOINT AND METHOD OF DETERMINATION .>279 degrees C C.O.C.  
UPPER EXPLOSION LIMIT(% BY VOL)..... Not Available  
LOWER EXPLOSION LIMIT(% BY VOL)..... Not Available  
AUTO-IGNITION TEMPERATURE..... Not Available  
FLAMMABILITY CLASSIFICATION ..... Not Available  
HAZARDOUS COMBUSTION PRODUCTS ..... Toxic fumes may evolve on burning.  
EXPLOSION DATA..... Not sensitive to mechanical impact.  
SENSITIVITY TO STATIC DISCHARGE..... Not sensitive to static discharge.

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**Reactivity Data**

CHEMICAL STABILITY..... Stable  
INCOMPATIBLE MATERIALS..... Oxidizing agents.  
CONDITIONS OF REACTIVITY..... None  
HAZARDOUS DECOMPOSITION PRODUCTS ..... Oxides of Sulphur, Carbon upon burning.

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**Toxicological Properties of Product**

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ROUTES OF ENTRY  
SKIN CONTACT..... Prolonged exposure may cause irritation in some individuals.  
SKIN ABSORPTION..... None  
EYE ..... Not Expected  
INHALATION ..... None  
INGESTION..... LD50 >5000mg/kg  
ACUTE OVER EXPOSURE EFFECTS..... None  
CHRONIC OVER EXPOSURE EFFECTS ..... Possible skin irritation from prolonged over exposure.  
EXPOSURE LIMITS ..... Not Established  
IRRITANCY OF PRODUCT..... None  
SENSITIZATION TO MATERIAL ..... None  
CARCINOGENICITY, REPRODUCTIVE EFFECTS ..... None  
TERATOGENICITY, MUTAGENICITY ..... None  
TOXICOLOGICALLY SYNERGISTIC PRODUCTS ..... None

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**Preventive Measures**

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PERSONAL PROTECTIVE EQUIPMENT ..... None  
SPECIFIC ENGINEERING CONTROLS ..... None  
LEAK AND SPILL PROCEDURES ..... Although product is environmentally safe, spills should be contained and picked up.  
WASTE DISPOSAL ..... Disposal shall be in compliance with Federal, Provincial, and Local laws.  
HANDLING PROCEDURES AND EQUIPMENT ..... None  
STORAGE REQUIREMENTS ..... None  
SPECIAL SHIPPING INFORMATION ..... Not Regulated.

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**First Aid Measures**

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SPECIFIC FIRST AID PROCEDURES ..... Flush eyes with water. Wash skin with soap and water. In case of ingestion, do not induce vomiting. Call a physician immediately.

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**Preparation Date of Material Safety Data Sheet**

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PREPARED BY ..... Control Chemical (1989) Corp.  
PHONE NUMBER OF PREPARER ..... (403) 720-7044  
DATE PREPARED ..... January 01,2010

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