

# Material Safety Data Sheet

## BIT-COOL

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### Material Identification and Use

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MANUFACTURER'S NAME.....CONTROL CHEMICAL (1989) CORPORATION  
MANUFACTURER'S ADDRESS .....7016 30 Street SE Calgary, Alberta, Canada, T2C 1N9  
EMERGENCY PHONE NUMBER ..... (403) 720-7044  
SUPPLIER IDENTIFIER .....  
SUPPLIER'S ADDRESS .....  
SUPPLIER EMERGENCY PHONE NUMBER .....  
PRODUCT IDENTIFIER.....BIT-COOL  
PRODUCT USE ..... Soap

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### Hazardous Ingredients of Materials

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Name	Percent (v/v%)	CAS #	LD <sub>50</sub> (oral rat)	LD <sub>50</sub> (dermal rabbit)	LC <sub>50</sub> (inhalation rat)
Tall oil, fatty acid, potassium salt	10-30	61790-44-1	Not determined	Not determined	Not determined
Glycol Ether DPM	5-10	34590-94-8	5.2mL/kg	9500 mg/kg	Not determined
Ethylene Glycol	15-40	107-21-1	17000 mg/kg	Not available	Not determined

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### Physical Data For Product

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PHYSICAL STATE..... Opaque Liquid  
ODOUR AND APPEARANCE ..... Slight  
ODOUR THRESHOLD..... Not available  
SPECIFIC GRAVITY ..... 1.04  
VAPOUR PRESSURE ..... Not available  
VAPOUR DENSITY (air=1)..... Not available  
EVAPORATION RATE..... Not available  
BOILING POINT ..... Not available  
FREEZING POINT ..... Not available  
pH ..... 6-9  
DENSITY (g/ml) ..... Not available  
COEFFICIENT OF WATER/OIL DISTRIBUTION ..... Not available

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### Fire and Explosion Hazard of Product

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CONDITIONS OF FLAMMABILITY ..... Though the product is not flammable, evaporation of sufficient quantities of material will render the product combustible.  
MEANS OF EXTINCTION ..... Use water spray, foam, dry chemical, or carbon dioxide. Water may cause excessive foaming.  
FLASHPOINT AND METHOD OF DETERMINATION .86°C (TCC)  
UPPER EXPLOSION LIMIT(% BY VOL) ..... 16%  
LOWER EXPLOSION LIMIT(% BY VOL) ..... 1.5%  
AUTO-IGNITION TEMPERATURE ..... Not available  
FLAMMABILITY CLASSIFICATION.....  
HAZARDOUS COMBUSTION PRODUCTS.....N/A  
EXPLOSION DATA ..... Sensitivity to mechanical impact: Not sensitive.

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SENSITIVITY TO STATIC DISCHARGE ..... Potential for fire and/or explosion. Grounding and use of explosion-proof equipment is recommended.

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#### Reactivity Data

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CHEMICAL STABILITY ..... Stable under normal condition. Hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS ..... Avoid strong oxidizing and reducing agents.

CONDITIONS OF REACTIVITY ..... N/A.

HAZARDOUS DECOMPOSITION PRODUCTS ..... Cox, smoke on combustion

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#### HEALTH HAZARDS

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THRESHOLD LIMIT VALUE ..... Glycol Ether DPM ..... OSHA PEL: TWA 100 ppm; STEL 150 ppm (skin)

ACGIH TLV: TWA 100 ppm; STEL 150 ppm (skin)

SKIN CONTACT ..... Irritant. May cause irritation on contact

EYE CONTACT ..... Irritant. May cause irritation on contact

INGESTION ..... May cause gastrointestinal irritation with nausea, vomiting and diarrhea

INHALATION ..... Mists may cause respiratory tract irritation. Causes irritation of mucous membrane

CARCINOGENICITY ..... Not determined

REPRODUCTIVE TOXICITY ..... Not determined

TERATOGENICITY ..... Ethylene Glycol: Very toxic. Embryotoxicity and teratogenicity observed in animal studies. Doses were not toxic to the mother.

MUTAGENICITY ..... Not determined

DEVELOPMENTAL TOXICITY ..... Not determined

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#### FIRST AID MEASURES

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##### ROUTES OF ENTRY

SKIN CONTACT ..... Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash clothing before re-use.

SKIN ABSORPTION ..... Not available.

EYE ..... Immediately flush eyes with water for 15 minutes and call a physician

INHALATION ..... Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

INGESTION ..... Do not induce vomiting. If conscious, dilute by giving two glasses of water. Call a physician immediately.

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#### Toxicological Properties of Product

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ACUTE OVER EXPOSURE EFFECTS .....

CHRONIC OVER EXPOSURE EFFECTS ..... Skin irritation or dermatitis may occur upon frequent or prolonged contact.

EXPOSURE LIMITS ..... N/A

IRRITANCY OF PRODUCT ..... Eye: Moderate irritant.

SENSITIZATION TO MATERIAL ..... Repeated or prolonged contact may cause sensitization in some individuals.

CARCINOGENICITY, REPRODUCTIVE EFFECTS ..... Product has not been listed as a carcinogen or potential carcinogen by either the ACGIH or the IARC.

TERATOGENICITY, MUTAGENICITY ..... N/A

TOXICOLOGICALLY SYNERGISTIC PRODUCTS ..... Not available.

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#### Preventive Measures

PREVENTATIVE MEASURES .....	Use NIOSH approved organic vapour cartridge respirator when TLV'are exceeded. Chemically resistant, general mechanical ventilation, safety glasses, suggest rubber apron
SPECIFIC ENGINEERING CONTROLS .....	General ventilation with a good source of make-up air recommended for all indoor situations. Local ventilation recommended at source of contaminant generation. Ventilation should be adequate enough to maintain air concentrations below the exposure limit.
LEAK AND SPILL PROCEDURES.....	Use full protective equipment and breathing apparatus. Eliminate all ignition sources. Contain spill. Absorb with inert absorbent. Place absorbent in closed metal containers for disposal. Do not flush in to sewer.
WASTE DISPOSAL.....	Incinerate/dispose to conform to local disposal regulations.
HANDLING & STORAGE PROCEDURES .....	Store in cool, well-ventilated area. Practice reasonable caution and personal cleanliness. Avoid skin contact and inhalation.
SPECIAL SHIPPING INFORMATION .....	Shipping Name: not regulated, Class: N/A, UN Number: N/A, ..... Packing Group: N/A

#### First Aid Measures

SPECIFIC FIRST AID PROCEDURES.....	TAKE ACTION TO PREVENT FURTHER EXPOSURE. RESTORE BREATHING. FLUSH EXPOSED AREA WITH WATER. IF INJECTED DO NOT INDUCE VOMITTING, CALL A PHYSICIAN.
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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, 2010

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