

# MATERIAL SAFETY DATA SHEET

## MAPAC

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### Product Identification

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MANUFACTURER'S NAME: Control Chemical (1989) Corporation  
MANUFACTURER'S ADDRESS: 7016, 30<sup>th</sup> Street S.E.  
Calgary, Alberta, Canada  
T2C 1N9  
EMERGENCY PHONE NUMBER: (403) 720-7044  
SUPPLIER IDENTIFIER:  
SUPPLIER'S ADDRESS:  
SUPPLIER'S EMERGENCY PHONE NUMBER:  
PRODUCT IDENTIFIER: MAPAC  
PRODUCT USE:

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### Hazardous Ingredients of Materials

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

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### Physical Data for Product

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PHYSICAL STATE: Dry granular, light coloured powder  
ODOUR AND APPEARANCE: Dry granular, light coloured powder. No odour.  
ODOUR THRESHOLD:  
SPECIFIC GRAVITY: 1.6 g/ml (H<sub>2</sub>O=1)  
VAPOR PRESSURE: Not applicable  
VAPOR DENSITY (Air = 1): Not applicable  
EVAPORATION RATE:  
BOILING POINT: Not applicable  
FREEZING POINT:  
pH:  
DENSITY (g/ml): Not established  
COEFFICIENT OF WATER / OIL  
DISTRIBUTION:

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### Fire and Explosion Hazard of Product

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CONDITIONS OF FLAMMABILITY: If in a finely divided and suspended state, treat as a flammable dust  
MEANS OF EXTINCTION: Dry Chemical, Foam or carbon dioxide (CO<sub>2</sub>), water spray or fog.  
FLASHPOINT AND METHOD OF DETERMINATION: Not applicable  
UPPER EXPLOSION LIMIT (% by Vol): Not established  
LOWER EXPLOSION LIMIT (% by Vol): Not established  
AUTO-IGNITION TEMPERATURE:  
FLAMMABILITY CLASSIFICATION:  
HAZARDOUS COMBUSTION PRODUCTS:  
  
EXPLOSION DATA:  
SENSITIVITY TO STATIC DISCHARGE:

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### Reactivity Data

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CHEMICAL STABILITY: Stable  
INCOMPATIBLE MATERIALS: Not established  
CONDITIONS OF REACTIVITY: Not established  
HAZARDOUS DECOMPOSITION PRODUCTS: Not established

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### Toxicological Properties of Product

#### ROUTES OF ENTRY:

SKIN CONTACT:

No special garments required. Avoid unnecessary skin contact. May produce slight irritation with prolonged contact with moistened product

SKIN ABSORPTION:

EYE:

Use safety glasses with side shields. Dust may produce mechanical irritation

INHALATION:

Non-irritating to mucous membranes, however, breathing high concentrations of the dust may cause mechanical irritation of the nose, throat, and upper respiratory tract.

INGESTION:

Passes through relatively inert. May cause some gastrointestinal upset. Oral LD50 > 25g/kg (rats).

ACUTE OVER EXPOSURE EFFECTS:

CHRONIC OVER EXPOSURE EFFECTS:

No adverse effects have been noticed in chronic feeding studies using laboratory animals and humans. Sarcomas were exhibited at injection sites of animals receiving repeated massive subcutaneous injections of aqueous solutions of the material.

EXPOSURE LIMITS:

IRRITANCY OF PRODUCT:

SENSITIZATION TO MATERIAL:

CARCINOGENICITY, REPRODUCTIVE EFFECTS:

TERATOGENICITY, MUTAGENICITY:

TOXICOLOGICALLY SYNERGISTIC

PRODUCTS:

### Preventive Measures

PERSONAL PROTECTIVE EQUIPMENT:

Use approved dust respirator. Chemical goggles recommended

SPECIFIC ENGINEERING CONTROLS:

LEAK AND SPILL PROCEDURES:

Sweep up spill and place in disposal container. If wet, material becomes very slippery

WASTE DISPOSAL:

Sanitary landfill or incineration. Diluted aqueous solutions may be flushed to sewer

HANDLING PROCEDURES AND EQUIPMENT:

Avoid inhalation of dust. Avoid eye contact

STORAGE REQUIREMENTS:

Store in a cool, dry area in sealed containers or bags

SPECIAL SHIPPING INFORMATION:

Not Regulated.

### First Aid Measures

SPECIFIC FIRST AID PROCEDURES:

Flush eyes with water. Rinse contaminated skin with soap and water. In case of discomfort by vapors or dusts, move to a ventilated area. If ingested, give plenty of water, induce vomiting. If adverse symptoms develop, call a physician

### 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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