

MATERIAL SAFETY DATA SHEET

CC-2663

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name: CC – 2663 **Last Revision Date:** December 16, 2010

Product Description: Micro Biocide

Supplier: **ControlChem Canada Limited**
5275 John Lucas Drive
Burlington, Ontario L7L 6A8
Tel: 905-319-2234 Fax: 905-319-0438
After Hours: 1-800-265-7141 #0897 or #0440
USE IN CASE OF EMERGENCY ONLY: CANUTEC 613-996-6666

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS#	%RANGE	TLV	LD50(mg/Kg)
2-Bromo-2-Nitropropane-1,3Diol (BNPD)	52-51-7	10-30		307 oral rat

The other components of this product are not Hazardous under WHMIS Regulation

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

Skin Contact:	Irritant.
Eye Contact:	Irritant.
Ingestion:	Harmful if swallowed.
Inhalation:	In-house workplace exposure level of 0.5 mg/m3 has been established.

4. FIRST AID MEASURES

Inhalation: Remove victim from hazard. Rest and keep warm. Apply artificial respiration if not breathing. Get immediate medical help.

Skin contact: Irritant. Immediately and thoroughly flush affected area with water and soap. Get medical attention if irritation persists.

Eye contact: Irritant. Immediately and thoroughly flush eyes with water for 15-20 minutes. Get medical attention.

Ingestion: If swallowed, call the poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless instructed by the poison control centre or doctor. Give conscious patient fluids. Transport victim at once to an emergency medical facility, take container, label or product name and Pest Control Registration number with you when seeking medical attention.
Note: If victim is unconscious never induce vomiting or give fluids. Place victim in stable side position and keep warm.

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5. FIRE-FIGHTING MEASURES

<i>Conditions of Flammability:</i>	Non flammable, will not support combustion. Dried material will burn in air producing toxic gases.
<i>Suitable extinguishing media:</i>	Dry chemical, water, foam or CO ₂ , as per surrounding fire.
<i>Special fire-fighting precautions:</i>	Wear NIOSH approved self-contained breathing apparatus.
<i>Flash Point (C):</i>	ND
<i>Auto Ignition Temperature (C):</i>	Not Applicable
<i>Flammable Limits in Air % by Volume:</i>	Not Applicable
<i>Explosion Data:</i>	Not Applicable
<i>Sensitivity to Static Discharges:</i>	Not Sensitive
<i>Hazardous Combustion Products:</i>	Not Applicable

6. ACCIDENTAL RELEASE MEASURES

<i>Personal precautions:</i>	Wear respirator, protective clothing and gloves.
<i>Environmental precautions:</i>	Do not contaminate water.
<i>Methods for cleaning up:</i>	Wear protective clothing and air purifying breathing cartage. If spilled apply absorbent and sweep up and dispose of in DOT approved containers. Water may be used to complete cleaning but do not allow washings to enter any water shed area.

7. HANDLING AND STORAGE

<i>Handling:</i>	Handle in accordance with good industrial hygiene practice. Eye wash station and shower should be close-by.
<i>Storage:</i>	Store in plastic or glass. Store in a cool, dry environment.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<i>Engineering controls:</i>	Engineering controls are not usually necessary if good hygiene practices are strictly followed. Eye wash station and shower should be close-by.
<i>Respiratory protection:</i>	Insure work area is ventilated. A NIOSH approved self contained breathing apparatus with air purifying cartridge.
<i>Eye protection:</i>	Wear chemical splash proof goggles and shield. Do not wear contact lenses.
<i>Skin protection:</i>	Wear work pants, long sleeve work shirt and impervious apron and rubber gloves.
<i>Hygiene measures:</i>	Wash hands before breaks and at the end of the workday. Handle in accordance with good industrial hygiene and safety practice.

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9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Appearance/Odour:</i>	Clear/Musty
<i>Physical State:</i>	Liquid
<i>Odour Threshold:</i>	N/D
<i>Specific Gravity:</i>	1.05 – 1.07
<i>pH:</i>	5.0-7.0
<i>Solubility in Water:</i>	N/A
<i>Freezing Point (C):</i>	as water
<i>Boiling Point (C):</i>	as water
<i>Vapour Pressure (mmHg):</i>	ND
<i>Vapour Density (Air=1):</i>	ND
<i>Evaporation Rate:</i>	ND
<i>Coeff. Of Water/Oil:</i>	ND

10. STABILITY AND REACTIVITY

<i>Stability:</i>	This product is stable.
<i>Conditions to avoid:</i>	Concentrated aqueous solution reacts with aluminum and to a minor extent iron. Keep water and moisture out of container.
<i>Materials to avoid:</i>	See Above
<i>Hazardous decomposition products:</i>	See Above

11. TOXICOLOGICAL INFORMATION

Exposure Limits of Material

<i>LC 50 of Material, Species & Route:</i>	ND
<i>LD50 of Material, Species & Route:</i>	307 mg/kg (oral rat)
<i>Carcinogenicity of Material:</i>	Not carcinogenic on skin exposure to mice or ingestion with rats
<i>Reproductive Effects:</i>	ND
<i>Irritancy of Material:</i>	See section 3
<i>Sensitizing Capability of Material:</i>	None Known
<i>Synergistic Materials:</i>	None Known

12. ECOLOGICAL INFORMATION

This product is toxic to fish and other aquatic organisms. Do not allow product to enter lakes, streams, ponds, estuaries, oceans or other waterways in contravention of federal or provincial regulatory requirements. The requirements of applicable laws should be determined before using this product.

13. DISPOSAL CONSIDERATIONS

<i>Waste Disposal:</i>	Disposal must be made in accordance with applicable government regulations.
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14. TRANSPORT INFORMATION

T.D.G. Classification: Not TDG Regulated

Special Shipping Instructions: None

15. REGULATORY INFORMATION

WHMIS Classification: Product is regulated by Pest Control Product Act, Product Registration No. 24589.

Health: 3, Fire: 0, Reactivity: 1, Personal Protection: X.

16. OTHER INFORMATION

ND = No Data

N/A= Not Applicable

DATE PREPARED: April 1996

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