



MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

PRODUCT NAME	PRODUCT CLASS
BBJ MicroBiocide® (For use in Air Ducts)	Antimicrobial EPA 67212-1

II. HAZARDOUS INGREDIENTS

INGREDIENT	WT. % BY	CAS REG. NO.
Concentrate Package: 2-bromo-2-nitropropane-1,3-diol	95.00	52-51-7
After Dilution: Diluent Package: Dipropylene Glycol Monomethyl Ether	0.02 10.0	34590-94-8

III. PHYSICAL DATA (Diluent)

a. Diluent

BOILING POINT 320°F	SPECIFIC GRAVITY 0.98 at 20°C
FREEZING POINT -20°F	VAPOR PRESSURE 0.03 mm Hg
VAPOR DENSITY 5.14	APPEARANCE green liquid
PH@ 20°C 7.1	SOLUBILITY IN WATER BY WT. Complete
EVAPORATION RATE (Butyl Acetate=1) .13	ODOR Mild

b. Crystals

MELTING POINT 320°F	SPECIFIC GRAVITY n/a
APPEARANCE AND ODOR: White Crystals; slight characteristic.	SOLUBILITY IN WATER: ~25% by weight @ 22°C

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT Not Combustible	FLAMMABLE LIMITS N/A
EXTINGUISHING MEDIA Water, water fog	SPECIAL FIRE HAZARDS None

V. REACTIVITY DATA

STABILITY: Stable	Hazardous polymerization may occur: No
-------------------	--

THRESHOLD LIMIT VALUE	None established
EFFECTS OF OVEREXPOSURE:	Concentrated: Toxic by ingestion. Irritating to eyes and skin, but not a skin sensitizer. Primary routes of exposure are skin or eye contact.
EYE	Flush with water for 15 minutes
SKIN	Wash with soap and water
INHALATION	N/A
INGESTION	Drink large quantities of water; do not induce vomiting. - Call a physician.

VIII. PROTECTIVE EQUIPMENT

VENTILATION	N/A
RESPIRATORY PROTECTION	OSHA approved respirator.
PROTECTIVE CLOTHING	Protective gloves (plastic or rubber) while mixing
EYE PROTECTION	Goggles while mixing or spraying.

IX. OTHER SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE	Keep container closed
SPECIAL COMMENTS	None

PREPARED BY Dr. Vladimir Mischutin, PhD
 VERSION

SUPERSEDES: June 1, 2002

Date
February 6 2003