



AquaBac

Bacterial Treatment

Product Information

AquaBac is a living, non-pathogenic bacterial treatment, which breaks down and liquefies solids such as fats, proteins, carbohydrates and grease. The carefully cultivated bacteria are the active components behind **AquaBac's** ability to quickly break down waste and eliminate odours. With over 200 billion spores per gallon, this synergized blend of multi-strain bacteria in **AquaBac** remain 100% active until their work is done, at which time they begin rebuilding their colonies to replace fatalities and the cycle is repeated, resulting in a successful ongoing drain or grease trap maintenance program.

AquaBac is recommended for use in all areas where odour control and cleaning can benefit from the use of an all natural and environmentally friendly alternative to harsh and dangerous chemicals: hospitals, nursing homes, schools, prisons, apartments, funeral homes, kennels, clinics, industries, golf courses, recreational vehicles, marinas, septic tanks, sump-pumps, wet wells, porta-toilets and for eliminating odors from carpets, animal and pet odors. SHAKE WELL BEFORE USING.

General Odor Control: To eliminate odours caused by spoiled foods, decomposed animals, vomit, incontinence, animal wastes, garbage cans, waste receptacles, locker rooms and carpeted areas, spray product directly on malodor and allow the bacterial action in **AquaBac** to ingest the material while the fresh fragrance immediately neutralizes the odor. Keep moist for at least thirty minutes.

Grease Traps: for traps less than 566 L (150 gal.) capacity, add 120 ml–150 ml (2-3 oz.) of product daily, by pouring or pumping in a pipeline closest to the trap. This should be done at night or when the traps are used the least. After adding, flush down with a cup of lukewarm water. For grease traps larger than 566 L, add 240 ml–300 ml (4-6 oz.) daily using the same procedure.

Drain Lines & Drain Pipes: Dose 2-4 times weekly. Pour 120 ml (4 oz.) of product for every 5 cm (2 inches) of pipe size directly into drain. Begin at the lowest floor and go up one floor each day. When top floor is treated continue to dose from top floor only.

AquaBac is packaged in: 12x946ml (12x1qt) cases, 4x3.78L (4x1 gal) cases 18.93L (5 gal.) pails and 208L (55 gal.) drums.

Contact your local sales representative or go to www.chemecology.com for more information.

M-chem Technologies Inc.
1.800.663.9925
www.mchem.com

Maxim Chemical International Ltd.
1.800.667.9915
www.maximchemical.com



MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **AQUABAC**

WHMIS CODE: D2B

Product Use: *Biologically-based treatment.*

Proper Shipping Name: N/A

Hazard Class: N/A

UN Number: N/A

HMIS

1	Health
0	Flammability
0	Reactivity
B	Personal

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Delta, BC V3M 6K8, Canada
Phone: (604) 526-5655

EMERGENCY PHONE

Canada: Canutec 613-996-6666
U.S.A.: Chemtrec 800-424-9300

A=Goggles, B=Goggles & Gloves
C=Goggles, Gloves and Apron

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
NO HAZARDOUS INGREDIENTS - THIS FORMULATION CONTAINS NO REPORTABLE HAZARDOUS INGREDIENTS LISTED UNDER WHMIS				
OTHER INGREDIENTS:				
Viable Bacterial Cultures	N/A	3-7	N/A	N/A

SECTION 3 – PHYSICAL DATA

Color and Odor: Milky white, fresh scent.	Boiling Point: N/D	Vapor Pressure (mm HG): N/D	pH: 7.0 +/- 0.5
Physical State: Liquid.	Melting Point: N/A	Vapor Density: N/D	Specific Gravity: 1.00 @ 20°C
Coeff. Water/Oil Dist: Greater than 1.0	Evaporation Rate: N/D	Solubility in Water: Soluble	Odor Threshold: No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None to 100°C (TCC)	Sensitivity to Mechanical Impact: None.	Extinguishing Media: Not flammable.
Flammable Limits: None known.	Sensitivity to Static Discharge: None.	Auto ignition Temperature: None known.
Unusual Fire and Explosion Hazards: None.	Conditions of Flammability: None.	
Hazardous Combustion Products: None known.		
Special Fire Fighting: Wear NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situation. Use water spray to cool all nearby fire exposed surfaces.		

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions.
Hazardous Polymerization: Will not Occur.
Incompatibility (material to avoid): None known.
Hazardous Decomposition Products: None known.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient.	Routes of Entry: Skin and eyes contact, ingestion.
Irritancy of Product: May be irritating to skin and eyes.	Carcinogenicity: None known.
Sensitization: None known.	Mutagenicity: None known.
Teratogenicity: None known.	Reproductive Toxicity: None known.
Name of Toxicological Synergistic Product: None known.	
Effects of Chronic Exposure: Dermatitis and skin sensitization may occur.	
Effects of Acute Exposure to Product: May be irritating to eyes and skin.	

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Normally not required. However, if product is misted or sprayed, use a NIOSH/MSHA approved dust/mist respirator.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Use rubber or plastic gloves when handling the concentrated product.
Eye Protection: Chemical goggles, safety goggles or face shield.
Protective Clothing and Equipment: Long sleeve coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Use good Industrial hygiene. Avoid contact with skin, eyes and clothing. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with other chemicals. Store at temperatures below 30°C and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Soak up spills with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers.
Waste Disposal Method: Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
Special Shipping Information: Store at temperature between 2-30°C and keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
 If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division PHONE: 604-526-5655 LAST UPDATE: 07/04/11
 THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE