

SECTION 1: IDENTIFICATION

Product Name: Biotrol Long Acting

Harmonization Code: 3808.99.30

Product Description: Plant Based Biocide

Supplier: RAW Biochem Inc.

Address: 452 Crystal Gn. Mn.
Calgary, Alberta, Canada T1S 0A3

Phone Number: 1.403.850.3570

EMERGENCY TELEPHONE NUMBER

Local Contact: 1.403.850.3570

SECTION 2: HAZARD(S) IDENTIFICATION

Emergency Overview

Color: Opaque White

Physical State: Liquid

Odour: Mild Soapy Odour

Hazards of Product:

OSHA Hazard Communication Standard

This product is a "Non-Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Potential Health Effects

Eye Contact: No evidence of adverse effect

Skin Contact: No evidence of adverse effect

Skin Absorption: No evidence of adverse effect

Inhalation: No evidence of adverse effect

Ingestion: No evidence of adverse effect

Aspiration Hazard: No evidence of adverse effect

SECTION 3: COMPOSITION INFORMATION

Chemical Name	CAS #	Weight %
Filtered Water	7732-18-5	9 – 11%
Tergitol	68131-40-8	2 – 3%
Tween 85	9055-70-3	3 – 5%
Biocide Compound	N/A	18 – 21%
2-Ethyl Hexanol EO-PO Nonionic Surfactant	64366-70-7	9 – 11%
Alkyl (c12-c16) Dimethyl Benzyl Ammonium Chloride	68424-85-1	5 – 7%
Citric Acid	77-92-9	31 – 33%
Glycolic Acid	79-14-1	7 – 9%

SECTION 4: FIRST-AID MEASURES

General Advice:	First Aid responders should pay attention to self-protection and use the recommended protective clothing. If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Inhalation	No evidence of adverse effects
Skin Contact:	No evidence of adverse effects
Eye Contact:	Flush eyes with water for 5 minutes.
Ingestion:	No evidence of adverse effects
Medical Conditions aggravated by exposure	None known
Note to Physicians:	No specific instructions

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing media:	This material will not burn. Use extinguishing media appropriate for surrounding fire.
Flash Point:	As defined by OSHA, this product is non-flammable
Protection to Firefighters:	No special precautions needed

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Evacuate the area as the floor may be slippery. Use care to prevent spills and falls
Environmental Precautions:	None required.
Methods for Containment and Cleanup:	Rinse area thoroughly with water. This product is safe to wash into drains and waste systems.

SECTION 7: HANDLING AND STORAGE

Handling Procedures:	No special procedures required
Storage Procedures:	Store in cool, well ventilated area. Avoid low temperatures

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	None established
Engineering Controls:	None required
Gloves Procedures	None required
Eye/Face Protection:	None required
Respiratory Protection:	None required
Clothing Recommendation:	None required
Other Safety Equipment:	None required

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State:	Liquid
Color:	Opaque White
Odour:	Mild Soapy Odour
Odour Threshold:	No test data available
pH:	3.0 – 3.5
Melting Point:	Not applicable to liquids
Freezing Point:	-4° C (25° F)
Flash Point:	None (TCC)
Evaporation Rate:	No test data available
Flammability (solid, gas):	Not applicable to liquids
Flammable Limits in Air:	
Lower:	N/A
Upper:	N/A
Autoignition Temperature:	No test data available
Explosion Sensitivity to Impact:	No test data available
Explosion Sensitivity to Static Discharge:	None
Products of Combustion:	None
Vapor Pressure:	<0.01 mmHg Estimated
Vapour Density (air=1):	>1 Estimated
Specific Gravity (H₂O = 1):	1.001 20°C/20°C Calculated
Solubility in Water (by Weight):	Complete
Decomposition:	No test data available
Oxidizing Properties:	No test data available
Molecular Weight:	No test data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No dangerous reactions known under normal use
Chemical Stability:	Stable at typical use temperatures
Possibility of Hazardous Reactions:	None known
Incompatible Materials:	None known
Hazardous Decomposition Products:	None

SECTION 11: TOXICOLOGICAL INFORMATION**Acute Exposure**

Ingestion:	None Known
Dermal:	None Known
Inhalation	None Known
Eye Damage/Eye Irritation:	None Known
Skin Corrosion/Skin Irritation:	None Known
Skin Sensitization:	No evidence of adverse effects.
Respiratory:	No evidence of adverse effects.
Repeated Dose Toxicity:	No evidence of adverse effects.
Chronic Toxicity and Carcinogenicity:	No evidence of adverse effects.
Developmental Toxicity:	No evidence of adverse effects.
Reproductive Toxicity:	No evidence of adverse effects.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	None
Aquatic Toxicity:	None
Persistence and Degradability:	Readily Biodegradable

SECTION 13: DISPOSAL CONSIDERATIONS

Chemicals contained are not listed as hazardous waste. This product is safe to wash into waste systems. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. As your supplier, we have no control over the management practices or manufacturing processes of parties handling or using this material. The information presented here pertains only to the product as shipped in its intended condition as described in SDS Section: Composition Information.

SECTION 14: TRANSPORT INFORMATION

DOT Non-Bulk:	Not regulated
DOT Bulk:	Not regulated
IMDG:	Not regulated
ICAO/IATA:	Not regulated

SECTION 15: REGULATORY INFORMATION

This product is a "Non-Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-To-Know Act of 1986) Sections 311 and 312

Immediate (Acute) Health Hazard:	No
Delayed (Chronic) Health Hazard:	No
Fire Hazard:	No
Reactive Hazard:	No
Sudden Release of Pressure Hazard:	No

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-To-Know Act of 1986) Sections 313

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Hazardous Substances List and/or Pennsylvania Environmental Hazardous Substance List

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Special Hazardous Substances List

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

U.S. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

U.S. Toxic Substances Control Act

All components of the product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

SECTION 16: OTHER INFORMATION

Product Literature

Information on this product and other products we offer can be found on our web site. Call your Sales or Customer Service Representative if you require additional information.

HMIS Health: 0 Fire: 0 Reactivity: 0 Special: 0

Key to Abbreviations:

Prop.:	Proprietary
CAS:	Chemical Abstract Service
PPE:	Personal Protective Equipment
NE:	None Established
N/A:	Not Applicable
TCC:	Tag Closed Cup
OSHA:	Occupational Safety and Health Administration

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of RAW's knowledge or obtained from sources RAW believes to be accurate.

Before using any product, read all warnings and instructions on the label.

Prepared by: Larry Peters
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