MATERIAL SAFETY DATA SHEET

HI-YIELD THURICIDE CONCENTRATE

DATED: JULY 30, 2008

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Name: Voluntary Purchasing Groups, Inc., P. O. Box 460, Bonham, Texas 75418

Emergency Telephone: (903) 583-5501 or (800) 424-9300 (Chemtrec) or (800) 255-3924

For Additional Information Contact: Product Manager or Chemtrec Common Name (Used on Label): American Brand Thuricide Concentrate

EPA# 70051-65-7401

Chemical Name: Not Applicable
Chemical Class: Biological Insecticide

Active Ingredient: Bacillus thuringiensis (0.8%)

EPA Signal Word: Caution CAS No.: 68038-71-1

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

SECTION 2 - COMPOSITION AND INFORMATION ON INDICEDIENTS				
INGREDIENTS:	OSHA PEL	ACGIH TLV	OTHER	NTP/IARC/OSHA Carcinogen
Surfactant	Not Established	Not Established	2/mg/m3(Stel=6 mg/m3)*	No
Sodium Sulfate Solvent	15/mg/m3(Total Dust) 1,000 ppm	10mg/m3(Total Dust) 1,000 ppm	Not Established Not Established	No IARC,
Bacillus thuringiensis (0.8%)	Not Established	Not Established	Not Established	(Unassigned) No

*recommended by manufacturer

SECTION 3 – HAZARDS IDENTIFICATION

Notes to Physician: There is no specific antidote if this product is ingested. If a large amount has been ingested emesis is inadequate, lavage stomach. Treat symptomatically.

Symptoms of Acute Exposure: Exposure may result in eye irritation. A skin sensitization(allergic) reaction may occur in sensitive individuals.

Hazardous Decomposition Products: None Known.

Physical Properties:

Appearance: Green Liquid
Odor: Slight Fish Odor

Unusual Fire, Explosion and Reactivity Hazards: None Known.

Page 2 of 6 American Brand Thuricide Concentrate

SECTION 4 -FIRST AID MEASURES

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Center. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given:

Ingestion: If victim is fully conscious, give a large quantity of water to drink and induce

vomiting. Never give anything by mount to an unconscious person.

Eye Contact: Immediately rinse eyes with a large amount of running water. Hold eyelids apart to

rinse the entire surface of the eyes and lids. Do not apply any medicating agents

except on the advice of a physician.

Skin Contact: Wash with plenty of soap and water, including hair and under fingernails. Do not

apply any medicating agents except on the advice of a physician. Remove

contaminated clothing and decontaminate prior to use.

Inhalation: Move victim from contaminated area to fresh air. Apply artificial respiration if

necessary

Notes to Physician.

There is no specific antidote if this product in ingested.

If a large amount has been ingested and emesis is inadequate, lavage stomach.

Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Fire and Explosion:

FLASH POINT(Test Method): Not Available

FLAMMABLE LIMITS(% in Air): Lower: %; Upper: % Not Available

Autoignition Temperature: Not Available Flammability: Not Applicable UNUSUAL FIRE, EXPLOSION and REACTIVITY HAZARDS: None Known

IN CASE OF FIRE: Use dry chemical, foam, or CO2 extinguishing media. Wear full

protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human Exposure to fire, smoke, fumes or products of combustion.

Prevent use of contaminated buildings, area, and equipment until

decontaminated.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK:

Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shin, long pants, head covering, and NIOSH-approved chemical cartridge pesticide respirator with organic vapor precartridges or a supplied-air respirator. For small spills, cover with an absorbent material such as pet litter, Sweep up, and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies.

Page 3 of 6 American Brand Thuricide Concentrate

SECTION 7 – HANDLING AND STORAGE

Store the material in a well-ventilated, secure area out of the reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material, Always wash thoroughly after handling.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

INGESTION: Prevent eating, drinking, tobacco usage and cosmetic application in

areas where there is a potential for exposure to the material. Always

wash thoroughly after handling.

EYE CONTACT: To avoid eye contact, wear safety glasses with side shields or chemical

goggles.

SKIN CONTACT: To avoid skin contact, wear rubber gloves, rubber boots, long-sleeved

shin, long pants and a head covering.

INHALATION: To avoid breathing mist or vapors, wear a NIOSH-approved chemical

cartridge pesticide respirator with organic vapor pre-cartridges or a

supplied-air respirator.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green Liquid
Odor: Slight Fish Odor
Melting Point: Not Applicable

Boiling Point: 212°F
Specific Gravity/Density: 1.01
pH: 4.8-5.2

Solubility in H2O:

Bacillus thuringiensis: Not Available

Vapor Pressure:

Bacillus thuringiensis: Not Available

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:

Stability: Stable

Hazardous Polymerization: Will Not Occur Conditions to Avoid: None Known

HAZARDOUS DECOMPOSITION PRODUCTS

None Known

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION STUDIES:

Ingestion: Slightly toxic

Oral LD50 (Rat) >7.2E+10 CFU/kg

Dermal: Slightly toxic

Dermal LD50 (Guinea Pig): >1.8E+07 CFU/kg

Inhalation: Slightly toxic

Inhalation LC50 (Mouse) >3300000000 CFU/Liter

Eye Contact:Non-irritation (Rabbit)Skin Contact:slightly irritating (Rabbit)

Skin Sensitization: Not Available

MUTAGENIC POTENTIAL:

Bacillus thuringiensis: None Observed

REPRODUCTIVE HAZARD POTENTIAL:

Bacillus thuringiensis: Not Available

CHRONIC/SUBCHRONIC TOXICITY STUDIES:

Bacillus thuringiensis: Not Available

CARCINOGENIC POTENTIAL:

Bacillus thuringiensis: Not Available

OTHER TOXICITY INFORMATION:

Not Available

TOXICITY OF OTHER COMPONENTS:

Solvent: Exposure results in skin, eyes or respiratory tract irritation. Prolonged inhalation may result in nausea, headache, vomiting and central nervous system depression. Listed a IARC carcinogen which has not been assigned and overall evaluation (animal data is not adequate).

Surfactant: Repeated or prolonged inhalation of dust can cause irritation of nose, throat and lungs. Exposure can result in headache, nausea, dizziness and slight irritation to eyes and skin.

TARGET ORGANS:

ACTIVE INGREDIENTS:

Bacillus thuringiensis: Not Available

INERT INGREDIENTS:

Solvent: Eyes, Skin, Respiratory Tract and Central Nervous System

Surfactant: Eyes, Skin and Respiratory Tract

SECTION 12 - ECOLOGICAL INFORMATION

SUMMARY OF EFFECTS:

Bacillus thuringiensis: Low toxicity to fish and wildlife

Eco-Acute Toxicity:

Bacillus: Bobwhite Oral LD50 >16,665 mg/kg Thuringiensis: Mallard Oral LD50 >16,665 mg/kg

Eco-Chronic Toxicity:

Bacillus Invertebrate(daphnia magna) Life Cycle NOEL 1.6E08 CFU/L

thuringiensis

Environmental Fate

Bacillus thuringiensis: Not Available

SECTION 13 - DISPOSAL CONSIDERATION

DISPOSAL: Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

Characteristic Waste: Not Applicable Listed Waste: Not Applicable

SECTION 14 - TRANSPORT INFORMATION

DOT CLASSIFICATION: Not Applicable; No Label or Placard Required

B/L FREIGHT CLASSIFICAITON: Insecticides or Fungicides; Agricultural, N.O.S.

INTERNATIONAL TRANSPORTATION: Not applicable

SECTION 15 – REGULATORY INFORMATION

SARA TITLE III CLASSIFICATION:

Section 311/312: Acute Health Hazard

Chronic Health Hazard

Section 313 Chemical(s): Not Applicable

PROPOSITION 65: Not Applicable

CERCLA REPORTABLE QUANITY(RQ) None

RCRA CLASSIFICATION: Not Applicable

TSCA STATUS: Exempt from TSCA

Page 6 of 6 American Brand Thuricide Concentrate

SECTION 16 - OTHER INFORMATION

NFPA HAZARD RATINGS:

Health: I 0 Least
Flammability: 0 1 Slight
Reactivity: 0 2 Moderate
3 High
4 Severe

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