

MATERIAL SAFETY DATA SHEET

Certis USA
9145 Guilford Road, Suite 175
Columbia, Maryland 21046

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME..... : **Agree WG**
PRODUCT CODE..... : A-9503 B
CHEMICAL FAMILY..... : Bacillus thuringiensis (50%)
CHEMICAL NAME..... : Not Applicable
FORMULA..... : Not Applicable

EMERGENCY TELEPHONE NUMBERS:

Emergency Information Chem Tel (800) 255-3924
Outside North America Call Collect (813) 248-0585

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS #</u>	<u>WT.%</u>	<u>OSHA PEL</u>	<u>TWA</u>	<u>TLV's STEL</u>
Bacillus thuringiensis	68038-71-1	50	N/A	N/A	N/A
Proprietary Inert Ingredients	N/A	50	N/A	N/A	N/A

3. HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a light brown material with a odor characteristic of fish meal, which is intended for use as a pesticide. There is no specific antidote if this product is ingested. Treat symptomatically. If large amount has been ingested, give large quantity of water to drink and seek medical attention.

EPA Signal Word: Caution

Potential Health Effects

ROUTE(S) OF ENTRY..... : Eyes, skin, oral, inhalation

HUMAN EFFECTS AND

SYMPTOMS OF OVEREXPOSURE..... : May cause irritation of eyes, skin, or respiratory tract.

ACUTE EYE CONTACT..... : Causes moderate eye irritation.

CHRONIC EYE CONTACT..... : Chronic exposure not likely from normal use.

ACUTE SKIN CONTACT..... : Slightly irritating. May cause irritation.

CHRONIC SKIN CONTACT..... : Chronic exposure not likely from normal use.

CHRONIC INGESTION..... : Chronic exposure not likely from normal use

ACUTE INHALATION..... : LC₅₀ (rat) > 5.78 mg/l

CHRONIC INHALATION..... : Chronic exposure not likely from normal use



CARCINOGENICITY

NTP : N/A
IARC : N/A
OSHA : N/A

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE..... : None Known

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.

FIRST AID FOR EYES : Immediately rinse eyes with a large amount of running water. Hold eye lids apart to rinse the entire surface of the eyes and lids. Do not apply any medicating agents except on the advice of a physician.

FIRST AID FOR SKIN..... : 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.

FIRST AID FOR INHALATION : Move victim from contaminated area to fresh air. Apply artificial respiration if necessary.

FIRST AID FOR INGESTION : If victim is fully conscious, immediately give large quantities of water to drink and get medical help. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES:

NFPA HAZARD CLASSIFICATION..... : HEALTH HAZARD 1 FIRE HAZARD 0
..... REACTIVITY 0

EXTINGUISHING MEDIA : Dry chemical, foam, or carbon dioxide

UNUSUAL FIRE AND EXPLOSION HAZARDS..... : None known

SPECIAL FIRE FIGHTING PROCEDURES : 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.

6. ACCIDENTAL RELEASE MEASURES:

SPILL OR LEAK PROCEDURES..... : Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering, and a NIOSH-approved dust or pesticide respirator with a dust prefilter. For small spills, sweep up, keeping dust to a minimum, 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.

7. HANDLING AND STORAGE:

STORAGE TEMPERATURE (MIN. / MAX.) : none / 104 °F none / 40 °C
SHELF LIFE : Stable
SPECIAL SENSITIVITY : None known
HANDLING AND STORAGE PRECAUTIONS : 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

ORAL PROTECTION REQUIREMENTS : 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 PROTECTION REQUIREMENTS : To avoid eye contact, wear safety glasses with side shields or safety goggles.
SKIN PROTECTION REQUIREMENTS : To avoid skin contact, wear rubber gloves, rubber boots, long-sleeved shirt, long pants, and head covering.
RESPIRATORY / VENTILATION REQUIREMENTS : To avoid breathing dust, use with adequate ventilation and wear a NIOSH-approved dust or pesticide respirator with a dust prefilter.
EXPOSURE LIMITS : N/A

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM : Granular
COLOR : Light Brown
ODOR : Characteristic of Fish Meal
BOILING POINT RANGE : N/A °F N/A °C
MELT POINT / FREEZE POINT : N/A °F °C
FLASH POINT : N/A °F N/A °C
AUTO IGNITION : N/A °F N/A °C
UPPER EXPLOSIVE LIMITS (UEL) : Not determined
LOWER EXPLOSIVE LIMITS (LEL) : Not determined
pH : 5-7 (1% solution in H₂O @ 25° C)
SOLUBILITY IN WATER : N/A
SPECIFIC GRAVITY : 0.41 g/ml @ 20° C
BULK DENSITY : N/A
% VOLATILE BY WEIGHT : N/A



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VAPOR PRESSURE at 20 °C..... : N/A
VAPOR DENSITY..... : N/A

10. STABILITY AND REACTIVITY:

STABILITY..... : Stable
HAZARDOUS POLYMERIZATION..... : Will not occur
INCOMPATIBILITIES..... : None known
DECOMPOSITION PRODUCTS..... : None known
CONDITIONS TO AVOID..... : None known

11. TOXICOLOGICAL INFORMATION:

Oral LD50 (rat) > 5,050 mg/kg body weight (practically non-toxic)
Dermal LD50 (rat) > 2,020 mg/kg body weight (slightly toxic)
Inhalation LC50 (rat) > 5.78 mg/l (practically non-toxic)
Eye Contact (rabbit) = Slightly Irritating
Skin Contact (rabbit) = Slightly Irritating
Skin Sensitization = Not Available
Mutagenic Potential = None Observed
Reproductive Hazard Potential = Not Available
Subchronic/Chronic Toxicity Studies = Not Available
Carcinogenic Potential = Not Available
Toxicity of Other Components-Not Available
Target Organs:
Active Ingredient-Not Available
Inert Ingredients-Not Available



12. ECOLOGICAL INFORMATION:

Fish and Wildlife = Low Toxicity
Oral LD50 (bobwhite quail) > 16,665 mg/kg
Oral LD50 (mallard duck) > 16,665 mg/kg
Invertebrate (Daphnia magna) Life Cycle NOEL = 1.6E+8 CFU/Liter
Environmental Fate = Not Available

13. DISPOSAL CONSIDERATIONS:

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

14. TRANSPORTATION INFORMATION:

D.O.T. PROPER SHIPPING NAME : N/A
TECHNICAL SHIPPING NAME : Agree WG
D.O.T. HAZARD CLASS : Insecticides or Fungicides; Agricultural, N.O.S.
U.N. /N.A. NUMBER : N/A
PRODUCT RQ (lbs.) : N/A
D.O.T. LABEL : Not Required
D.O.T. PLACARD : Not Required

15. REGULATORY INFORMATION:

OSHA STATUS : N/A
TSCA STATUS : Exempt
CERCLA REPORTABLE QUANTITY : None
SARA TITLE III:
SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES : N/A
SECTION 311/312 HAZARD CATEGORIES : Acute Health Hazard; Chronic Health Hazard
SECTION 313 TOXIC CHEMICALS : N/A
RCRA STATUS : N/A



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STATE REGULATORY INFORMATION:

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For detail on your regulatory requirements you should contact the appropriate agency in your state.

<u>COMPONENT NAME / CAS NUMBER</u>	<u>CONCENTRATION</u>	<u>STATE CODE</u>
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16. OTHER INFORMATION:

REASON FOR ISSUE : Company Change
APPROVAL DATE : 6/18/01
SUPERSEDES DATE : 2/18/00
MSDS NUMBER : 70051-47-BtWG

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