

Material Safety Data Sheet

ANNIHILATOR™ WP

Version: Revision 1

Date Issued: 09/26/2011

MSDS No. 6148388

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY: KMG- Bernuth, Inc.
9555 W Sam Houston Pkwy S., Suite 600
Houston, Texas 77099-2145

PHONE NUMBER: 800-322-8177

EMERGENCY PHONE: CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: ANNIHILATOR™ WP

PRODUCT USE: Wettable powder premise insecticide

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>IDENTITY</u>	<u>CAS NUMBER</u>	<u>TYPICAL %</u>	<u>OTHER INFORMATION</u>
Deltamethrin	52918-63-5	5.00 %	

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

SECTION 3: HAZARDS IDENTIFICATION

PHYSICAL HAZARDS: Do not use water based sprays of Annihilator WP in conduits, motor housings, junction boxes, or other electrical equipment because of possible shock hazard.

HEALTH HAZARDS: CAUTION. Causes moderate eye irritation. Avoid contact with skin or clothing. Contact with product may result in transient tingling and reddening of the skin. Wash thoroughly with soap and water after handling.

SECTION 4: FIRST AID MEASURES

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Immediately call a poison control center or doctor. Do not induce vomiting unless told to by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

HOTLINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-322-8177 for emergency medical treatment.

NOTE TO PHYSICIAN: Product may be difficult to remove from eye using only water. Flushing eye with plenty of a 1% physiological saline solution for 5 minutes is also recommended.

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SECTION 5: FIREFIGHTING MEASURES

FLASH POINT: Not available

AUTOIGNITION TEMPERATURE: Not available

FLAMMABLE LIMITS (STP): Not available

EXTINGUISHING MEDIA: For small fire, use dry chemical, carbon dioxide, water spray or foam. For large fire, use water spray, fog or foam. Contain run-off to prevent contamination of surface waters.

PROTECTIVE EQUIPMENT: Self-contained breathing apparatus with full facepiece and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

HMIS RATING: Health 1 Fire 0 Reactivity 0 PPE B

NFPA RATING: Health 1 Fire 0 Reactivity 0

SECTION 6: ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak: Wear long-sleeved shirt and long pants, rubber boots over shoes and socks, chemical resistant waterproof gloves, protective chemical safety goggles and a NIOSH-approved pesticide respirator or air-supplied respirator. For small spills, sweep up and place in an approved chemical container.

Wash the spill area with water, absorb on absorbent material, sweep up and place in a disposal container. Wash area with detergent and absorb liquid and sweep up and place into container. Seal the container and handle in an approved manner.

Flush the area with water to remove any residue. Contain any washwaters. Do not allow washwaters to contaminate surface waters and do not flush to sewer systems.

For disposal, refer to Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

DO NOT contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE : Mix as needed. Do not store diluted material. Store in original container in a secure, dry area away from children. Keep container sealed when not in use. Do not store near food or feed. Prevent cross-contamination with other pesticides and fertilizers.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAUTION:

Avoid contact with skin or clothing. Contact with product may result in transient tingling and reddening of the skin. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants or coveralls
- Shoes plus socks
- Chemical resistant gloves
- Protective eyewear
- For indoor confined areas, wear a dust/spray mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, K, P, or HE filter.

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been contaminated with this product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

Users should:

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

OCCUPATIONAL EXPOSURE LIMITS:

AEL Recommended	Not available
ACGIH TLV	Not established
OSHA PEL	Not established

OCCUPATIONAL EXPOSURE STANDARDS: Not established

VENTILATION: Provide exhaust ventilation or other engineering controls to keep exposure to airborne contaminants below the exposure limit.

EYE PROTECTION: See **PERSONAL PROTECTIVE EQUIPMENT (PPE)** above.

BODY PROTECTION: See **PERSONAL PROTECTIVE EQUIPMENT (PPE)** above.

RESPIRATORY PROTECTION: See **PERSONAL PROTECTIVE EQUIPMENT (PPE)** above.

OTHER PROTECTIVE EQUIPMENT: Eyewash station and safety shower in work area.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

FORMULATION:	Wettable powder
PHYSICAL STATE:	Dust
COLOR:	White to tan
ODOR:	Alcohol, soap detergent, pine like
BOILING POINT:	Not applicable
MELTING POINT:	Not available
FREEZING TEMPERATURE:	Not applicable
VAPOR PRESSURE:	Not available
VAPOR DENSITY:	Not available
EVAPORATION RATE:	Not available
SPECIFIC GRAVITY:	Not available
BULK DENSITY:	Not available
SOLUBILITY IN WATER:	Miscible
pH VALUE:	Not available
% VOLATILES:	Not available

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable
CONDITIONS TO AVOID:	Excessive heat and sunlight.
MATERIALS TO AVOID:	Strong oxidizers, chlorates and nitrates
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon. Incomplete combustion may lead to formation of carbon monoxide and/or other asphyxiates.
HAZARDOUS POLYMERIZATION:	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute data were developed with Annihilator WP

ACUTE ORAL LD₅₀ (RAT):	> 5,000 mg/kg
ACUTE DERMAL LD₅₀ (RABBITS):	> 5,000 mg/kg
ACUTE INHALATION (RAT – 4 HR LC₅₀):	> 7.75 mg/L
PRIMARY EYE IRRITATION (RABBIT):	Moderate irritant
PRIMARY DERMAL IRRITATION (RABBIT):	Non-irritating
DERMAL SENSITIZATION : BUEHLER METHOD	Not a contact sensitizer

EFFECTS OF OVEREXPOSURE:

Acute overexposure may result in mild irritation to eyes and skin. If swallowed, may cause vomiting and/or diarrhea.

The following data were developed with Deltamethrin, the active ingredient.

Chronic Toxicity and Carcinogenicity: General neurological symptoms were exhibited in studies with rats, mice and dogs. These symptoms included unsteadiness, abnormal gait, tremors and liquid feces. No histopathologic findings were observed except some signs of slight hepatotoxicity in mice. No Observable Effect Levels (NOEL's) were 1mg/kg/day in the 2-year rat and dog studies. The NOEL for the 2-year mouse study was approximately 12 mg/kg/day. Deltamethrin was not carcinogenic in rats or mice.

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SECTION 11: TOXICOLOGICAL INFORMATION - CONTINUED

Reproductive and Developmental Toxicity: A 2nd generation reproductive with rats produced clinical signs of toxicity, reduced body weight gain and mortality in both parents and offspring. The parental and reproductive (offspring) NOEL's were 80 ppm which is equivalent to approximately 4 mg/kg/day for adults and 18 mg/kg/day for the offspring. No developmental effects were observed in rats or rabbits in the absence of maternal toxicity. The development NOEL for the rat study was 11/mg/kg/day (highest does tested). The developmental NOEL in rabbits was 25 mg/kg/day for the offspring.

Neurotoxicity: Deltamethrin does not inhibit acetylcholinesterase. Neurobehavioral effects including unsteadiness, excessive salivation, vomiting, liquid feces, uncoordinated movement, tremors, spasmodic convulsions which are typically related to Central Nervous System (CNS) stimulation, were observed in some studies. The NOEL for these studies was 1 mg/kg/day or higher.

Mutagenicity (Genetic Effects): No evidence of genotoxicity was observed in a battery of in vitro and in vivo studies.

SECTION 12: ECOLOGICAL INFORMATION

This product is extremely toxic to fish and other aquatic organisms. Do not apply directly to water, or to areas where surface waters are present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or when disposing of equipment wash waters. Apply this product only as specified on its label.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment areas.

SECTION 13: DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site in accordance with label directions, or at an approved waste disposal facility. Never place unused product down any indoor or outdoor drain.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank and store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available.

SECTION 14: TRANSPORT INFORMATION

Follow the precautions indicated in the Handling and Storage Section, Section 7 of this MSDS

DOT PROPER SHIPPING NAME: Not Regulated

FREIGHT DESCRIPTION: Agricultural Insecticide, Solid, N.O.S.

IATA/CAO CLASSIFICATION: Not available

IMO CLASSIFICATION: Not available

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SECTION 15: REGULATORY INFORMATION

UNITED STATES EPA: EPA Reg. No. 61483-88
EPA Signal Word – CAUTION

OTHER: SARA 312 HAZARD CLASS: Not applicable
SARA 313 TOXIC CHEMICALS: Not applicable
REPORTABLE QUANTITY: Not applicable
RCRA HAZARDOUS WASTE: Not listed
CALIFORNIA PROPOSITION 65: No warnings required.

SECTION 16: OTHER INFORMATION

Reason for MSDS Revision: Convert to 16-Section Format and Update Information

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, KMG-Bernuth, Inc. (Company) makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Company be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

MSDS No.: 6148388
Revision No.: 1
Supersedes: Original
Date: September 26, 2011
Approved by: H. R. O'Neal