

AgLogic™ 15G Aldicarb Pesticide

Warehousing and Handling Guide

AgLogic Chemical, LLC
August 11, 2016

Warehousing and Handling Guide

Introduction

Before handling packages containing AgLogic 15G Aldicarb Pesticide, carefully read the precautionary information on the label. Also be sure you read and understand this manual before handling AgLogic 15G Aldicarb Pesticide.

AgLogic 15G Aldicarb Pesticide is classified as a Class B poison by the United States Department of Transportation, AgLogic 15G may be fatal or harmful if mishandled. Poisoning may occur by skin penetration, swallowing, eye contact or inhalation of dust. Read the product label for poisoning symptoms.

Warehousing locations that handle AgLogic 15G Aldicarb Pesticide should contact their local doctor and ensure that he has available the emergency antidote, *atropine sulfate*.

In case of an over-exposure to AgLogic 15G Aldicarb Pesticide, your doctor and AgLogic Chemical, LLC must be notified.

Your Company Doctor: _____

Phone Number: _____

AgLogic Chemical, LLC Phone Numbers

Office: 1-919-932-5800

Plant: 912-510-5021

CHEMTREC: 1-800-424-9300

Prompt treatment of minor exposure to AgLogic 15G should result in complete recovery with no after-effects.

General Information

This booklet is provided for guidance in handling AgLogic 15G Aldicarb Pesticide. Because of the toxic characteristics of this product, special consideration must be given to receiving, warehousing and shipping. These instructions are intended to supplement good handling practices as well as the warnings and general precautionary measures on the package label. A copy of the Product Precautionary Information is attached as Appendix 1. Read and become familiar with the information in Appendix 1.

Product Information

The Chemical name for the active ingredient in AgLogic 15G Aldicarb Pesticide is 2-methyl-2-(methylthio) propionaldehyde *O*-(methylcarbamoyl) oxime. A granular carrier is impregnated with the active ingredient and treated to minimize dusting. Because the active ingredient may be fatal or harmful by skin or eye contact, swallowing or breathing the dust, AgLogic 15G is classified as a Class B poison. The pungent odor associated with AgLogic 15G is not harmful and helps to serve as a reminder of its presence.

Under normal handling conditions, AgLogic 15G Aldicarb Pesticide should not be allowed to contact the skin. If it does touch the skin, the area must be washed with soap and water immediately. A much more serious hazard exists if AgLogic 15G gets in an open wound, in the eye, or if dust is inhaled or granules are swallowed. If symptoms of poisoning occur, prompt administration of the emergency antidote (atropine sulfate) by a physician, will aid in the recovery.

Product Description

AgLogic 15G Aldicarb Pesticide granules are tan, light brown, dark gray, or black in color and flow readily. Tan or light brown granules are irregularly shaped and dark gray, or black granules have the appearance of small, uniform pellets. AgLogic 15G should not be confused with certain types of sweeping compounds containing irregularly shaped flakes and/or granules.

Packages

The following packages of AgLogic 15G Aldicarb Pesticide meet the U.S. Department of Transportation regulations for shipment of Class B poisons; Individual package descriptions are below:

1. 2 x 30 pound bags per 60 pound carton (67 pounds gross weight) stretch wrapped 24 cartons to a pallet.
Two U.S. Department of Transportation specification bags with 30 pound capacity are placed in an over-pack box. 24 of the 60 pound boxes are unitized by stretch wrap to a pallet. The pallet is a small pallet at 39" by 45". A label booklet which meets U.S. Environmental Protective Agency regulations is attached to the over-pack box and to each bag.
2. 1 x 45 pound bag per 45 pound carton (49 pounds gross weight) stretch wrapped 42 cartons to a pallet.
One U.S. Department of Transportation specification bag with 45 pound capacity is placed in an over-pack box. 42 of the 45 pound boxes are unitized by stretch wrap to a pallet (45" by 45"). A label booklet which meets U.S. Environmental Protective Agency regulations is attached to the over-pack box and to the bag.

Label Description

Product precautionary information is attached to this guide in Appendix 1. Precautionary instructions and directions for use will be found in the label booklets attached to the bags and over-packs.

No shipments should be made without proper labeling. When more detail information is needed in this area, contact AgLogic Chemical, LLC.

Receiving, Handling, Warehousing, Storing and Shipping Instructions

Receiving and Handling Instructions

Read and follow all precautionary statements on the AgLogic 15G Aldicarb Pesticide label before handling packages. The label gives practical instructions for handling and first aid (in cases of exposure).

Wear protective gloves and long sleeved clothing, full length trousers, and head covering when handling packages. Care must be exercised when opening rail car doors to avoid crushing or tearing packages. Note condition of cargo upon receipt. Check it for proper bracing, load shift or visible damage. After routine handling, wash clothing and gloves before reuse.

Utilize extra care to avoid damage to packages through puncturing with mechanical handling equipment or dropping in any manner. Check for leaks or evidence of spillage. After unloading, inspect the vehicle for any contamination.

BE ESPECIALLY CAREFULL WHEN MOVING GRIT PALLETS WITH A FORKLIFT. Forklift forks will likely extend through the short side of the Grit pallet and may damage boxes or bags beyond the pallet being handled by the forklift.

Inbound Damage

DO NOT RELEASE A CONTAMINATED VEHICLE! If leakage or spillage is detected, isolate and secure the vehicle and make the emergency phone contact.

DO NOT REFUSE DAMAGED PACKAGES BACK TO THE CARRIER. If a package is damaged, accept it, note the damage, and take photos of the damaged package. Contact the shipper and inform him of the nature and extent of the damage. In case of broken and/or leaking packages refer to the decontamination section of this manual.

Warehousing and Storage Instructions

The following instructions should be followed when storing and warehousing AgLogic 15G Aldicarb Pesticide:

1. Store AgLogic 15G in a well ventilated, sprinklered, clean, and dry area out of reach of children and animals. *DO NOT* store AgLogic 15G near food, feedstuffs, flammable material, fertilizers or seed. *DO NOT* contaminate water, food or feed by storage or disposal.
2. Keep unauthorized personnel out of work and storage areas.
3. *DO NOT* drink, eat or use tobacco in the storage and/or handling area(s). While handling cartons of AgLogic 15G, *DO NOT* put your fingers to your mouth or rub your eyes until you have washed your hands. *WASH YOUR HANDS BEFORE EATING, SMOKING OR USING THE TOILET.*
4. Display product labels at storage entry points.
5. Store AgLogic 15G Aldicarb Pesticide away from high traffic and loading door areas.
6. The storage area should be locked and/or kept under close supervision (all personnel should be well-

versed in handling AgLogic 15G Aldicarb Pesticide).

7. Periodic inspections should be conducted to look for unreported damage or leakage. Cartons are to be palletized. Follow AgLogic Chemical, LLC recommendations for pallet load stacking heights for cartons
8. Do not store AgLogic 15G Aldicarb Pesticide where temperatures average 115°F (46°C) or greater.
9. Do not store in or around the home or garden.

Shipping Instructions

Under no circumstances should a defective, leaking or improperly labelled package be shipped! Never ship a loose partial pallet.

AgLogic 15G must always be shipped in proper packages provided by AgLogic Chemical, which display the approved product and U.S. Department of Transportation labels. Read and follow all precautionary statements on the product label before handling packages. Wear protective gloves, long sleeved clothing and full-length trousers when handling packages. After routine handling, wash clothing and gloves before reuse. Utilize extra care to avoid damage to packages through puncturing with mechanical handling equipment or dropping in any manner. Be sure to check for leaks or evidence of spillage.

When loading or delivering AgLogic 15G Aldicarb Pesticide, only packages without visual damage and/or evidence of sifting or leaking may be shipped. If packages are contaminated by spillage from other packages, they must be cleaned to ensure safe shipping condition. Before loading vehicles, inspect them carefully to be sure there are no nails, strapping or other protrusions present.

Do not load AgLogic 15G Aldicarb Pesticide on any rail car, road vehicle or freight container which contains or will contain food, feed or items intended for human or animal consumption. The U.S. Department of Transportation Regulations prohibit concurrent placement of Class B poisons and consumption items in the same vehicle.

If the vehicle is not fully loaded, use bracing and/or dunnage to prevent load shift.

Rail Shipments

Use cushion underframe equipment as first choice. If this equipment is not available, a D/F (damage free) car could be substituted. *DO NOT* use a standard box car.

CAREFULLY INSPECT CAR to be sure that it is clean and free of nails, strapping or other protrusions that might damage containers. Be sure to load and brace carefully.

Truck and Piggyback Shipments

CAREFULLY INSPECT TRAILER to be sure that it is clean and free of nails, strapping or other protrusions that might damage containers. Be sure to load and brace carefully. Piggyback trailers should have all wood floors in excellent condition free of holes, nails, strapping or other protrusions.

Package Markings

Each package containing a hazardous material, when offered for transportation, must be marked with the name and address of the consignee or consignor except when the package is (1) transported by highway and will not be transferred from one motor carrier to another, or (2) Part of a carload lot, truckload lot, or freight container load, and the entire contents of the rail car, truck or freight container are tendered from one consignor to one consignee.

Each package of AgLogic 15G Aldicarb Pesticide must have the U.S. Department of Transportation Class B white diamond POISON (6) label affixed to it, see Appendix 5.

Placarding

It is the CARRIER'S RESPONSIBILITY to supply and affix the DOT Poison Placards (see Appendix 5) to both sides and both ends of truck trailers and rail cars.

Placarding applies when any of the above vehicles is loaded with 1,000 pounds or more of DOT classified Hazardous material.

Shipping Papers Required

The following shipping papers are required for all shipments of AgLogic 15G Aldicarb Pesticide:

- Bill of Lading/Shipper's Certification
- Emergency Instructions to the Carrier
- Product Precautionary Information

Proper Shipping Name, Hazard Class and Freight Description

Because AgLogic 15G Aldicarb Pesticide is a Class B poison, U.S. Department of Transportation regulations require a specific description and classification of the article for truck, rail and water shipments. The hazardous materials description is:

Proper DOT Shipping Name: RQ, Carbamate Pesticide, Solid, N.O.S. (Aldicarb 15%) Hazard Class: Poison B, UN #2757.

Freight Description: Insecticide, Agricultural, NOI, O/T Liquid (AgLogic 15G Aldicarb Pesticide).

Certification and Notation Required on Bill of Lading

The U.S. Department of Transportation requires that the shipping name must show the following certification and be signed by you, the shipper, acting for AgLogic Chemical, LLC:

"This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation."

"The attached product precautionary information and special emergency instructions to carrier to be accessible to driver to final destination."

Then attach the "Product Precautionary Information" and "Emergency Instructions to the Carrier" sheets (Appendixes 1 and 2), to the bill of lading.

First Aid and Personnel Exposure

PRECAUTIONS

Personnel involved in handling and warehousing of AgLogic 15G Aldicarb Pesticide must be instructed regarding hazards, symptoms of poisoning, antidote and first aid as shown on product label.

FATAL IF SWALLOWED. Causes cholinesterase inhibition. May be fatal or harmful by skin or eye contact or by breathing dust. Rapidly absorbed through skin or eyes. Do not get in eyes, on skin or on clothing. Do not breathe dust. Keep away from domestic animals.

Wear a minimum of coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, and chemical-resistant footwear plus socks. In addition, during spill clean-up, handlers must wear protective eyewear (goggles or face shield), a chemical-resistant apron, and a NIOSH-approved respirator with a dust/mist filter with the MSHA/NIOSH approval number prefix TC-21C or any N, R, P or HE filter.

Handlers should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Handlers should remove clothing and/or PPE immediately if AgLogic 15G gets inside then wash thoroughly and put on clean clothing. Handlers should remove PPE immediately after handling this product. Wash the outside of gloves before removing. Bathe at the end of the work day, washing entire body and hair with soap and water. Change clothing daily. Wash contaminated clothing in strong washing soda solution and rinse thoroughly before reusing.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Salivation, Muscle tremor, Nausea, Watery eyes, Difficult breathing, Vomiting, Pinpoint eye pupils, Excessive sweating, Diarrhea, Blurred vision, Abdominal cramps, Weakness, Headache. In severe cases, convulsions, unconsciousness, and respiratory failure may occur.

MEDICAL INFORMATION

Contact a physician immediately in all cases of suspected poisoning. Illness may be produced rapidly following overexposure to AgLogic 15G Aldicarb Pesticide. If breathing stops, establish an airway and start artificial respiration, and provide oxygen. Make certain to remove all sources of continuing contamination. Remove clothing and wash skin and hair immediately with large amounts of water. Transport the patient to a physician or hospital

immediately and SHOW A COPY OF THIS LABEL TO THE PHYSICIAN. If poisoning is suspected in animals, contact a veterinarian.

**CHEMTREC Can Provide Emergency Medical Treatment Information
(24 HOURS A DAY) 1-800-424-9300**

EMERGENCY AND FIRST AID PROCEDURES

PRECAUTION: Persons attending the victim should avoid direct contact with heavily contaminated clothing and vomitus. Wear impervious gloves while decontaminating skin and hair. Remove the patient from immediate source of exposure and assure that the individual is breathing. Use artificial respiration if necessary, to assure continued breathing. GET MEDICAL ATTENTION.

Swallowing: If patient is conscious and alert, give 2-3 glasses of water or milk to drink. If available, give one tablespoon of Syrup of Ipecac to induce vomiting. Alternatively, induce vomiting by touching back of throat with finger. Do not repeat the Syrup of Ipecac. Do not make unconscious person vomit. GET MEDICAL ATTENTION.

Skin: Immediately wash skin with plenty of soap and water, if available, while removing contaminated clothing and shoes. Shoes and clothing contaminated by substantial spillage of concentrated product should be discarded in a manner which limits further exposure. Otherwise, wash clothing separately before reuse. GET MEDICAL ATTENTION.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration. Administer oxygen if necessary. GET MEDICAL ATTENTION.

Eyes: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. GET MEDICAL ATTENTION.

ANTIDOTE STATEMENT

ATROPINE SULFATE IS HIGHLY EFFECTIVE AS AN ANTIDOTE. See NOTE TO PHYSICIAN below.

NOTE TO PHYSICIAN

AgLogic 15G Aldicarb Pesticide is an N-methyl carbamate insecticide which is a cholinesterase inhibitor. Overexposure to this substance may cause toxic signs and symptoms due to the cholinergic nervous system. These effects of overexposure are spontaneously and rapidly reversible.

Gastric lavage may be used if this product has been swallowed. AgLogic 15G poisoning may occur rapidly after ingestion and prompt removal of stomach contents is indicated.

Specific treatment consists of the administration of parenteral atropine sulfate. Caution should be exercised to prevent over-atropinization. Mild cases may be given 1 to 2 mg intramuscularly every 10 minutes until full atropinization has been achieved and repeated thereafter whenever symptoms reappear. Severe cases should be given 2 to 4 mg intravenously every 10 minutes until the patient is fully atropinized, then intramuscularly every 30 to 60 minutes as needed to maintain the effect for at least 12 hours. Dosages for children should be appropriately reduced. Complete recovery from overexposure is to be expected within 24 hours.

Narcotics and other sedatives should not be used. Further, drugs such as (pyridine-2-aldoxime methiodide) are NOT recommended unless organophosphate intoxication is also suggested.

To aid in confirmation of a diagnosis, urine samples must be obtained within 24 hours of exposure and immediately frozen. Analyses will be arranged by AgLogic Chemical, LLC.

Consultation on therapy can be obtained at all hours by calling CHEMTREC: 1-800-424-9300.

PHYSICIANS INSTRUCTION SHEET

Appendix 3 of this manual has been prepared for your local physician. It is your responsibility to be certain he/she receives and understands it before you store AgLogic 15G Aldicarb Pesticide at your location. Your physician

should be thoroughly familiar with health hazards and treatment of over-exposure to AgLogic 15G Aldicarb Pesticide and have on hand an adequate supply of atropine sulfate.

Environmental Hazards

TOXIC TO FISH, BIRDS, AND OTHER WILDLIFE

AgLogic 15G Aldicarb Pesticide is extremely toxic to birds and other wildlife. Birds feeding on exposed granules may be killed. Immediately clean up or cover granules in spill areas. See "Decontamination and Spills Procedures" in next section. AgLogic 15G is toxic to fish and aquatic invertebrates. Run-off from spill areas may be hazardous to fish. Keep granules out of water and do not contaminate water when disposing of waste or wash waters.

DECOMPOSITION AND MOVEMENT IN SOIL

AgLogic 15G is readily decomposed into harmless residues under most soil conditions. However, a combination of permeable and acidic soil conditions, moderate to heavy irrigation and/or rainfall, and soil temperatures below 50°F (10°C) tend to reduce degradation and promote movement of residues to ground water.

Decontamination and Spills Procedures

Decontamination Kits and Supplies

Decontamination kits should be assembled for use by or under supervision of, authorized personnel in clean-up of product spills. Each kit should be stored away from the immediate AgLogic 15G Aldicarb Pesticide storage area but must be readily accessible in case of emergency. Periodic inspections should be conducted and documented to insure that these materials are intact.

Materials for Kits

Safety Equipment

- Mop handle (DO NOT use sponge-type mop)
- 100 feet of clothesline (for roping off contaminated area)
- Ten DANGER - KEEP OUT signs [(red/white) with "S" hooks to hang on rope]
- Twelve "Poison" placards
- One 12' x 12' plastic drop sheet
- One box chalk
- One large box detergent
- One dust pan
- Dust brushes (not whisk brooms)
- Plastic pails
- Mop heads
- One wringer-type mop bucket
- One roll 3 inch wide masking tape
- 50 pounds colored sweeping compound (other than tan or black)

Decontamination Solution

Preferred

- Two (2), 5 gallon cans of a mixture (by weight)
 - 5% sodium hydroxide
 - 50% water
 - 45% methanol

Alternate

- Two (2), 5 gallon cans of a mixture (by weight)
 - 5% sodium hydroxide
 - 70% water
 - 25% isopropanol

The preferred decontamination solution has a flash point lower than 99°F and is classified by the U.S. Department of Transportation as a flammable liquid and should be stored in containers that have a red flammable liquid and a

product information label on it.

Protective Clothing

Four pairs chemical resistant gauntlet type gloves

Twelve one-piece disposable paper suits (XL)

Two rubber aprons (34 x 58 inches). Should be worn *over* paper suits, not as a substitute!

Two pairs 10 inch (XL) chemical resistant boots

Two monogoggles

Two full face shields (head-gear *and* plastic face-piece)

Two NIOSH-approved respirator with a dust/mist filter with the MSHA/NIOSH approval number prefix TC-21C or any N, R, P or HE filter

Repackaging Supplies

Several prelabelled 55 gal. fiber drums for shipment of residue and contaminated equipment. (Residue and contaminated equipment includes paper suits, mop heads, and other solid decontamination items. NO LIQUIDS SHOULD BE PLACED IN FIBER DRUMS).

Several 8 ml polyethylene bags to be used as liners for the 55 gal. fiber drums. Exact quantity to match the number of fiber drums at each location.

Damaged Packages and Spill Procedures

Although great care is taken in the design and construction of the AgLogic 15G packaging, there is always a possibility of damaged and/or leaking containers. Upon discovery of a leaking container or evidence of "sifting" (granules are heard moving when box is tilted in a downward direction) do the following:

1. Determine if anyone has been overexposed and exhibits apparent symptoms of poisoning. If so, render first aid and provide a physician. See symptoms, antidote statements on the label or in the First Aid section and in Appendix 1 of this manual.
2. Isolate the affected area and/or vehicle immediately and make provisions to keep unauthorized persons away. Block or rope off contaminated area. Post with "DANGER-KEEP OUT" signs.
3. Wear protective clothing when cleaning up the spill. Do not breathe dust. Do not get granules or dust on skin or in eyes. Treat equipment and clothing coming in contact with AgLogic 15G as contaminated.
4. Report a spill or emergency of any size immediately. Contact AgLogic Chemical immediately at 1-919-932-5800. AgLogic Chemical will provide instructions or arrange for decontamination or clean up, depending upon the circumstances.
5. If spill occurs off warehouse property, the Federal Government should be notified through the National Response Center, 1-800-424-8802. State or local agencies may also require notification.

Incident Reporting

When reporting a damaged container or spill to AgLogic Chemical personnel, provide the following information:

1. Who you are - your name, firm, address and phone number.
2. Product(s) involved and quantity - amount of spillage, and/or number of packages involved.
3. Location - in warehouse, on dock, in vehicle, etc.
4. Exposure - was anyone exposed? If so, provide patient's name, treatment given, name and phone number of doctor contacted.
5. Action taken - what has been done? Who has been notified? Local authorities, etc.
6. Other material involved - has AgLogic 15G Aldicarb Pesticide spilled onto other goods? Describe in detail.
7. Nearby disposal area - are you located where you can store broken containers or bury damaged containers?
8. Cause - what caused the leak or spill?

In the event of gross spillage, rope off area, post DANGER signs, contain loose product by use of undamaged boxes, drums, plywood sheets or other barrier materials. To prevent further spreading by wind or other means, cover with paper, plastic sheets, cloth or tarpaulins. Avoid spreading the spill. If spillage gets into sewers or streams, notify police, environmental authorities and AgLogic Chemical *IMMEDIATELY*.

Disposition of Damaged Product

In the event of a spill of AgLogic 15G Aldicarb Pesticide, the spill should be properly cleaned up (See decontamination and spills procedures), and material correctly re-packaged and shipped prepaid on an AgLogic Chemical, LLC bill of lading to the AgLogic Chemical plant in Woodbine, Georgia. It should be addressed and shipped with proper advance notification, and concurrence to:

Shipping and Receiving Supervisor
AgLogic Chemical, LLC
251 Commercial Drive
Woodbine, GA 31569
Telephone: 912-510-5021

The only correct and usable containers for returning materials are specified by the D.O.T. and include:

1. SPEC. 5, 5B, 6A, 6C metal multi-trip drums.
2. SPEC. 17H, 37A metal one trip drums (375 pound gross weight limit).
3. SPEC. 21 C400 fiber drums (350 pound net weight limit) with an 8 mil or equivalent polyethylene liner. (NO LIQUIDS SHOULD BE PLACED IN FIBER DRUMS).

Each drum must be properly labeled with an AgLogic 15G Aldicarb Pesticide label and a white poison diamond label. The contents of the drum and the estimated weight should be indicated on the drum. The vehicle must be placarded with 10^{3/4"} x 10^{3/4"} white poison diamond labels if it contains more than 1,000 pounds of AgLogic 15G.

If possible place reclaimed product and contaminated materials into separate reclaim drums. This will make it easier for AgLogic Chemical, to recover the good material and dispose of the other materials with less worker exposure.

A proper Bill of Lading should be prepared for the shipment, and include all the same backup materials as used for a shipment of good product.

It is imperative that spilled or damaged AgLogic 15G Aldicarb Pesticide be removed from circulation and returned to AgLogic Chemical's direct control with the proper methods and documentation in order to protect the general public from any unnecessary exposure.

Decontamination Procedures

General

In all cases AgLogic Chemical must be notified prior to the start of clean-up. Then, if properly equipped and knowledgeable personnel are available to conduct the decontamination and clean-up, proceed to step one under the general decontamination procedure listed below. If not, follow instructions of the AgLogic Chemical's contact.

NOTE: Do not eat, drink or smoke during clean-up operations. If clean-up goes through a lunch period or if leaving the work area is necessary, outer clothing should be removed in a restricted area and hands and face washed thoroughly with soap and water. Take care not to contact contaminated surfaces when donning equipment.

1. Put on protective clothing: respirator, eye protection, body covering, gloves, head covering and boots.
2. Determine the size of the spill and follow appropriate procedures. Spills are classified as follows:
 - A. A small spill is less than 2 pounds of loose product and the total area involved is less than 25 square feet (i.e. an area 5 feet by 5 feet). Follow Small Spill Procedure below.
 - B. A large spill is anything greater than in (A) above. Follow Large Spill Decontamination Procedure.
3. If properly equipped and knowledgeable personnel are not available, be sure to so advise AgLogic Chemical.
4. After the appropriate spills procedure has been completed, a wipe test must be conducted to check for contaminated surfaces. The following section explains and describes the wipe test procedure.

Wipe Test

The wipe test is to be applied in all cases of spills of AgLogic 15G Aldicarb Pesticide. The purpose of the wipe test is to insure that any exposed surfaces have been thoroughly decontaminated. A quality filter paper such as the Whatman #41 filter should be used for ease of lab analysis. If quality filter paper is not available, coffee filter paper at least five (5) inches in diameter can be substituted. For small spills at least two wipe tests should be performed.

For large spills (i.e. trailer, etc.) approximately eight wipe tests would be required.

Each wipe test is performed by taking a piece of clean filter paper and wiping in one smooth motion an area covering approximately one (1) square foot. The paper should then be placed in a small plastic bag identified and sealed. Each wipe test should be performed in a different area exposed to the spill. After the wipe tests are completed, all the bags containing the filter paper should be packaged and sent to the following address:

Environmental & Occupational Health Department
AgLogic Chemical, LLC
251 Commercial Drive
Woodbine, GA 31569
Telephone: 912-510-5021

Results of the wipe test will be communicated as soon as they have been completed.

Small Spills Procedure

A small spill is less than 2 pounds of loose product and the total area involved is less than 25 square feet (i.e. an area 5 feet by 5 feet). For spills of this size, follow the Small Spill Procedure below.

Small spill decontamination procedures can be used ONLY if the affected area is used solely for storage of AgLogic 15G Aldicarb Pesticide or other Class B pesticides. If food or other products are to be stored, the Large Spill Decontamination Procedures must be followed.

1. Outline spill area with chalk.
2. Cover affected area with colored sweeping compound.
3. Sweep gently to prevent excessive scattering and contamination.
4. Place sweepings and soiled materials in reclaim drum.
5. Repeat steps 1-3 until area is visually clear of AgLogic 15G and floor sweeping compound. Deposit sweepings in the reclaim drum.
6. Prepare HOT soapy water solution in the plastic bucket. Follow instructions on detergent container. Mop floor thoroughly, rinsing mop-head frequently.
7. Repeat step 6 after 1/2 hour. This includes preparing fresh wash water.
8. Do not contact mop-head with unprotected areas of body.
9. Allow decontaminated area to dry thoroughly before re-entry.
10. Conduct Wipe Test on all exposed surfaces that have been decontaminated.
11. See Equipment Decontamination for cleaning bucket, mop handle, gloves, etc. Discard mop-head in the reclaim drum.
12. Correctly packaged materials from the spill (contained in the reclaim drum) should be shipped with proper advance notification prepaid to:

Shipping and Receiving Supervisor
AgLogic Chemical, LLC
251 Commercial Drive
Woodbine, GA 31569
Telephone: 912-510-5021

Large Spills Procedure

A large spill is greater than 2 pounds of loose product or the total area involved is greater than 25 square feet (i.e. an area 5 feet by 5 feet).

1. Outline spill area with chalk.
2. Cover affected area with colored sweeping compound.
3. Sweep gently to prevent excessive scattering and contamination.
4. Place sweeping and soiled materials in reclaim drum.
5. Repeat steps 1-3, until area is visually clear of AgLogic 15G Aldicarb Pesticide and floor sweeping compound.

6. Prepare decontamination solution (see page 7) in plastic bucket (add 1/4 cup of detergent per gallon of solution) and decontaminate spill site.

NOTE: Decontamination solution is strong caustic that can severely burn skin, eyes or other body tissue. The irritation is not always noticeable until after the injury has occurred; therefore:

- A. Protect all parts of the body. This includes using the full face shield and rubber apron in addition to the other specified clothing.
 - B. Avoid inhalation of dust, mist or fumes.
 - C. In case of accidental contact, wash immediately with large quantities of water. If paper suit becomes wet with this solution, remove the suit and discard into the reclaim drum.
 - D. In case of eye contact, flush immediately with running water for 15 minutes and get medical assistance. Permanent eye injury may easily occur if prompt action is not taken.
7. Use mops from equipment drum and apply the decontamination solution liberally, being cautious not to splash it on your body or clothing. DO NOT smoke while using this solution.
 8. Reapply solution as needed to keep contaminated area wet at least 30 minutes.
 9. Wash entire caustic-treated area with fresh water after the specified "wet" time of at least 30 minutes is completed.
 10. Any containers and/or bags salvaged in the clean-up can be returned to shippable stock, provided the container is still properly labeled.
 11. Mop heads, sweepings, and all solid residues must be put in the fiber reclaim drum with polyethylene liner.
 12. All reusable tools and clothing must be decontaminated by soaking or covering them with decontamination solution for at least 30 minutes. After specified time, rinse thoroughly with clear water and dry the equipment before placing back in kit.
 13. Allow decontaminated area to dry thoroughly before re-entry.
 14. Conduct wipe test on all exposed surfaces that have been decontaminated.
 15. Correctly packaged materials from the spill (contained in the reclaim drum) should be shipped with proper advance notification prepaid to:
Shipping and Receiving Supervisor
AgLogic Chemical, LLC
251 Commercial Drive
Woodbine, GA 31569
Telephone: 912-510-5021

Personnel Decontamination and Clean Up

1. All personnel involved in clean-up of an AgLogic 15G Aldicarb Pesticide spill should wash their entire body thoroughly with soap and water, preferably in a shower, including the hair, before putting on clean clothing.
2. Send clothing to an industrial laundry after following decontamination procedures for spill area, body and clothing.

Fire Department Instructions

1. Appendix 4 of this manual has been prepared for your local Fire Department. It is the responsibility of those persons handling and warehousing AgLogic 15G Aldicarb Pesticide to be certain that the Fire Department receives and understands the instructions.
2. Before you store AgLogic 15G Aldicarb Pesticide at your location, the Fire Department should be informed:
 - A. Where it will be stored.
 - B. The approximate quantity that is being stored.
 - C. What type material should be used for fire fighting. Dry Chemical, CO₂ or foam should be used if at all possible. Water should not be used because it spreads contamination. If water is used, dike to prevent run-off from entering sewers or streams. The solubility of aldicarb is less than 1%, but this is sufficient

to contaminate a water supply.

Fire Fighting Instructions

The following precautions must be taken when fighting fires in buildings containing AgLogic 15G:

1. Always wear self-contained breathing apparatus and impervious protective clothing when entering a building to fight a fire. Do not breathe any smoke generated by the fire. Stay completely clear of any smoke generated by the fire unless wearing the self-contained breathing apparatus.
2. Do everything possible to prevent any water run-off from reaching a surrounding body of water, stream, pond, etc.

The following precautions should always be taken:

3. Isolate the area. Keep all personnel out of path of smoke and vapor. Remove personnel from within a minimum of city block area. It is particularly important to evacuate residential areas downwind until fire is brought into control.
4. Protective clothing should include chemical resistant gloves and boots, jackets and liquid-proof caps.
5. Use dry chemical CO₂ or foam to extinguish the fire if at all possible. Don't use water unless necessary because water could spread contamination and could contaminate water supplies. If water must be used, use soft streams such as foggers to minimize tearing open of paper containers.
6. Dike surrounding area to prevent run-off from entering ponds, streams, etc.
7. At completion of fire fighting operations, firemen should remove contaminated clothing, wash thoroughly with soap and water, preferably in a shower, including the hair before putting on clean clothing.
8. Symptoms of aldicarb poisoning may be one or more of the following: salivation, watery eyes, pinpoint eye pupils, blurred vision, headache, muscle tremor, difficult breathing, excessive sweating, abdominal cramps, nausea, vomiting, diarrhea and weakness. In severe cases, convulsions, unconsciousness and respiratory failure may occur. If symptoms are apparent, obtain medical assistance immediately.
9. In case of transportation or warehouse emergency involving a spill, fire, or exposure, call CHEMTREC 1-800-424-9300 twenty-four hours a day.

Other Information

The information presented here is not necessarily exhaustive but is representative of relevant, reliable data and is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions. For additional information refer to the product label. Please consult AgLogic Chemical, LLC if further information is needed. Follow all local, regional, national, and international regulations.

The AgLogic 15G Warehousing and Handling Guide serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING. The Warehousing and Handling Guide provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course. In the USA, use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA approved label.

Although the information and recommendations set forth in the Warehousing and Handling Guide are presented in good faith and believed to be correct as of the date hereof, AgLogic Chemical, LLC makes no representations as to the completeness or accuracy thereof.

PRODUCT PRECAUTIONARY INFORMATION

RESTRICTED USE PESTICIDE

DUE TO ACUTE ORAL TOXICITY and TO GROUND WATER CONTAMINATION

For retail sale to and use only by Certified Applicators or persons under the direct supervision of a Certified Applicator, and only for those uses covered by the Certified Applicator's Certification.

AgLogic 15G Aldicarb Pesticide

ACTIVE INGREDIENT:

Aldicarb [2-methyl-2-(methylthio) propionaldehyde O-(methylcarbamoyl) oxime]15.0%

OTHER INGREDIENTS:85.0%

TOTAL:100.0%

KEEP OUT OF REACH OF CHILDREN



**DANGER POISON
PELIGRO**

FIRST AID

If Swallowed: Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person.

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

If on Skin or Clothing: Take off contaminated clothing and shoes immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

MEDICAL INFORMATION

Contact a physician immediately in all cases of suspected poisoning. Illness may be produced rapidly following overexposure to AgLogic 15G. If breathing stops, establish an airway and start artificial respiration, and provide oxygen. Make certain to remove all sources of continuing contamination. Remove clothing and wash skin and hair immediately with large amounts of water. Transport the patient to a physician or hospital immediately and SHOW A COPY OF THIS LABEL TO THE PHYSICIAN. If poisoning is suspected in animals, contact a veterinarian.

Consultation on therapy can be obtained at all hours by calling CHEMTREC: 1-800-424-9300.

ANTIDOTE STATEMENT

ATROPINE SULFATE IS HIGHLY EFFECTIVE AS AN ANTIDOTE. See NOTE TO PHYSICIAN.

NOTE TO PHYSICIAN

AgLogic 15G is an N-methyl carbamate insecticide which is a cholinesterase inhibitor. Overexposure to this substance may cause toxic signs and symptoms due to the cholinergic nervous system. These effects of overexposure are spontaneously and rapidly reversible.

Gastric lavage may be used if this product has been swallowed. AgLogic 15G poisoning may occur rapidly after ingestion and prompt removal of stomach contents is indicated. Specific treatment consists of the administration of parenteral atropine sulfate. Caution should be exercised to prevent over-atropinization. Mild cases may be given 1 to 2 mg intramuscularly every 10 minutes until full atropinization has been achieved and repeated thereafter whenever symptoms reappear. Severe cases should be given 2 to 4 mg intravenously every 10 minutes until the patient is fully atropinized, then intramuscularly every 30 to 60 minutes as needed to maintain the effect for at least 12 hours. Dosages for children should be appropriately reduced. Complete recovery from overexposure is to be expected within 24 hours.

Narcotics and other sedatives should not be used. Further, drugs such as (pyridine-2-aldoxime methiodide) are NOT recommended unless organophosphate intoxication is also suggested.

To aid in confirmation of a diagnosis, urine samples must be obtained within 24 hours of exposure and immediately frozen. Analyses will be arranged by AgLogic Chemical, LLC.

PRECAUTIONARY STATEMENTS

DANGER

HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

FATAL IF SWALLOWED. Causes cholinesterase inhibition. May be fatal or harmful by skin or eye contact or by breathing dust. Rapidly absorbed through skin or eyes. Do not get in eyes, on skin or on clothing. Do not breathe dust. Keep away from domestic animals.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Salivation, Muscle tremor, Nausea, Watery eyes, Difficult breathing, Vomiting, Pinpoint eye pupils, Excessive sweating, Diarrhea, Blurred vision, Abdominal cramps, Weakness, Headache. In severe cases, convulsions, unconsciousness, and respiratory failure may occur.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All handlers must wear a minimum of coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, and chemical-resistant footwear plus socks. In addition, during spill clean-up, handlers must wear protective eyewear (goggles or face shield), a chemical-resistant apron, and a NIOSH-approved respirator with a dust/mist filter with the MSHA/NIOSH approval number prefix TC-21C or any N, R, P or HE filter.

USER SAFETY REQUIREMENTS

Handlers should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Handlers should remove clothing and/or PPE immediately if AgLogic 15G gets inside then wash thoroughly and put on clean clothing. Handlers should remove PPE immediately after handling this product. Wash the outside of gloves before removing. Bathe at the end of the work day, washing entire body and hair with soap and water. Change clothing daily. Wash contaminated clothing in strong washing soda solution and rinse thoroughly before reusing.

ENVIRONMENTAL HAZARDS

TOXIC TO FISH, BIRDS, AND OTHER WILDLIFE: AgLogic 15G Aldicarb Pesticide is extremely toxic to birds and other wildlife. Birds feeding on exposed granules may be killed. Immediately clean up or cover granules in spill areas. See "Decontamination and Spills Procedures". AgLogic 15G is toxic to fish and aquatic invertebrates. Run-off from spill areas may be hazardous to fish. Keep granules out of water and do not contaminate water when disposing of waste or wash waters.

DECOMPOSITION AND MOVEMENT IN SOIL: This product is readily decomposed into harmless residues under most soil conditions. However, a combination of permeable and acidic soil conditions, moderate to heavy irrigation and/or rainfall, and soil temperatures below 50°F (10°C) tend to reduce degradation and promote movement of residues to ground water.

FOR FIRE: Use Carbon Dioxide or dry chemical for small fires. Use foam for large fires. Combustion products may be hazardous. Wear protective clothing and use self-contained breathing apparatus.

FOR SPILLS: Sweep or shovel spills into waste container while minimizing dust generation. Wear appropriate personal protective equipment. Dispose of in an approved landfill or incinerator following all applicable federal, state and local regulations.

**IN CASE OF TRANSPORTATION OR WAREHOUSE EMERGENCY INVOLVING A SPILL, FIRE, OR EXPOSURE,
CALL CHEMTREC 1-800-424-9300 TWENTY-FOUR HOURS A DAY.**

AgLogic 15G Aldicarb Pesticide

ACTIVE INGREDIENT: Aldicarb [2-methyl-2-(methylthio) propionaldehyde O-(methylcarbamoyl) oxime]

EMERGENCY INSTRUCTIONS TO THE CARRIER

In Case of Spill

1. **ISOLATE** the affected area or vehicle immediately and place a guard near it to keep people away. Block or rope off contaminated area and post with danger signs.
2. **TELEPHONE IMMEDIATELY:** CHEMTREC 1-800-424-9300 TWENTY-FOUR HOURS A DAY.
Also call AgLogic Chemical: Office: 1-919-932-5800; Plant: 912-510-5021.
3. **REPORT** the following information:
Your name, firm, address and phone number. If a water carrier, the name of vessel and its position.
Amount of spillage and number of cartons involved.
Location of spillage - vehicle, terminal, etc. If a water carrier the stowage location of spillage.
People exposed - anyone exposed (in contact) to product?
Advise names of people exposed, treatment given, name and phone number of doctor contacted.
Action taken - what have you done?
Has AgLogic 15G Aldicarb Pesticide been spilled onto other goods?
Are you located where damaged cartons can be stored?
Cause of spillage?
4. **ASSISTANCE** will be provided to you as required by the circumstances.
5. **NOTIFY** the Federal government through the National Response Center, 800-424-8802. State or local agencies may also require notification.

Shortages and Overages

Notify shipper immediately on shortages or overages.

AgLogic 15G Aldicarb Pesticide

ACTIVE INGREDIENT: Aldicarb [2-methyl-2-(methylthio) propionaldehyde O-(methylcarbamoyl) oxime]

INFORMATION FOR PHYSICIAN

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Salivation, Muscle tremor, Nausea, Watery eyes, Difficult breathing, Vomiting, Pinpoint eye pupils, Excessive sweating, Diarrhea, Blurred vision, Abdominal cramps, Weakness, Headache. In severe cases, convulsions, unconsciousness, and respiratory failure may occur.

ANTIDOTE STATEMENT

ATROPINE SULFATE IS HIGHLY EFFECTIVE AS AN ANTIDOTE.

NOTE TO PHYSICIAN

AgLogic 15G Aldicarb Pesticide is an N-methyl carbamate insecticide which is a cholinesterase inhibitor. Overexposure to this substance may cause toxic signs and symptoms due to the cholinergic nervous system. These effects of overexposure are spontaneously and rapidly reversible.

Gastric lavage may be used if this product has been swallowed. AgLogic 15G poisoning may occur rapidly after ingestion and prompt removal of stomach contents is indicated. Specific treatment consists of the administration of parenteral atropine sulfate. Caution should be exercised to prevent over-atropinization. Mild cases may be given 1 to 2 mg intramuscularly every 10 minutes until full atropinization has been achieved and repeated thereafter whenever symptoms reappear. Severe cases should be given 2 to 4 mg intravenously every 10 minutes until the patient is fully atropinized, then intramuscularly every 30 to 60 minutes as needed to maintain the effect for at least 12 hours. Dosages for children should be appropriately reduced. Complete recovery from overexposure is to be expected within 24 hours.

Narcotics and other sedatives should not be used. Further, drugs such as (pyridine-2-aldoxime methiodide) are NOT recommended unless organophosphate intoxication is also suggested.

To aid in confirmation of a diagnosis, urine samples must be obtained within 24 hours of exposure and immediately frozen. Analyses will be arranged by AgLogic Chemical, LLC.

Consultation on therapy can be obtained at all hours by calling CHEMTREC: 1-800-424-9300.

AgLogic 15G Aldicarb Pesticide

ACTIVE INGREDIENT: Aldicarb [2-methyl-2-(methylthio) propionaldehyde O-(methylcarbamoyl) oxime]

INSTRUCTIONS TO FIRE DEPARTMENT FOR FIGHTING FIRES INVOLVING AgLogic 15G Aldicarb Pesticide

AgLogic 15G Aldicarb Pesticide is a tan, light brown, dark gray, or black free-flowing granular product. It is a Class "B" poison and must be handled carefully.

AgLogic 15G Aldicarb Pesticide is a methyl carbamate insecticide, which is a cholinesterase inhibitor. Overexposure to this substance may cause toxic signs and symptoms due to stimulation of the cholinergic nervous system. These effects of overexposure are spontaneously and rapidly reversible. It can be fatal or harmful by skin contact, by breathing dust or swallowing granules. It is rapidly absorbed through skin and eyes. Antidote is atropine sulfate. If symptoms are apparent, give atropine sulfate tablets as directed by a physician.

The following precautions must be taken when fighting fires in buildings containing AgLogic 15G:

1. Always wear self-contained breathing apparatus and impervious protective clothing when entering a building to fight a fire. Do not breathe any smoke generated by the fire. Stay completely clear of any smoke generated by the fire unless wearing the self-contained breathing apparatus.
2. Do everything possible to prevent any water run-off from reaching a surrounding body of water, stream, pond, etc.

The following precautions should always be taken:

3. Isolate the area. Keep all personnel out of path of smoke and vapor. Remove personnel from within a minimum of city block area. It is particularly important to evacuate residential areas downwind until fire is brought into control.
4. Protective clothing should include chemical resistant gloves and boots, jackets and liquid-proof caps.
5. Use dry chemical CO₂ or foam to extinguish the fire if at all possible. Don't use water unless necessary because water could spread contamination and could contaminate water supplies. If water must be used, use soft streams such as foggers to minimize tearing open of paper containers.
6. Dike surrounding area to prevent run-off from entering ponds, streams, etc.
7. At completion of fire fighting operations, firemen should remove contaminated clothing, wash thoroughly with soap and water, preferably in a shower, including the hair before putting on clean clothing.
8. Symptoms of aldicarb poisoning may be one or more of the following: salivation, watery eyes, pinpoint eye pupils, blurred vision, headache, muscle tremor, difficult breathing, excessive sweating, abdominal cramps, nausea, vomiting, diarrhea and weakness. In severe cases, convulsions, unconsciousness and respiratory failure may occur. If symptoms are apparent, obtain medical assistance immediately.
9. In case of transportation or warehouse emergency involving a spill, fire, or exposure, call CHEMTREC 1-800-424-9300 twenty-four hours a day.

AgLogic 15G Aldicarb Pesticide

ACTIVE INGREDIENT: Aldicarb [2-methyl-2-(methylthio) propionaldehyde O-(methylcarbamoyl) oxime]

DOT Hazard Warning Label and Placard Used for Class “B” Poisons



DOT Hazard Warning Label on Outer Cartons and Bags of AgLogic 15G Aldicarb Pesticide

Size: 4" X 4"

Border: each side must have a black solid line border 1/4" in from the each edge.

Printing: black printing on white background.

DOT Hazard Warning Placard for All Vehicles Carrying 1,000 Pounds or More of AgLogic 15G Aldicarb Pesticide

Size: 10³/₄" X 10³/₄"

Border: each side must have a 1/8" black solid line border 1/2" in from each edge.

Printing: black printing on white background.