

ArmortTM

30 DG

SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

1. IDENTIFICATION

PRODUCT NAME: Armort 30 DG
DESCRIPTION: A granular insecticide
EPA REG. NO.: 91234-318
COMPANY IDENTIFICATION: Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

2. HAZARD IDENTIFICATION

DANGER

May cause damage to organs (central nervous system) (H371)

Causes damage to organs through prolonged or repeated exposure (central nervous system) (H372)

Suspected of damaging fertility or the unborn child (H361)

Causes eye irritation (H320)

Harmful if swallowed (H302)

May cause an allergic skin reaction (H317)

Very toxic aquatic life with long lasting effects (H400+H410)



HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Specific target organ toxicity, repeated exposure	1	None	-
Specific target organ toxicity, single exposure	2	Environmental Hazards	Category
Reproductive toxicity	2	Hazardous to the aquatic environment, acute	1
Eye damage/irritation	2B	Hazardous to the aquatic environment, chronic	1
Acute toxicity, oral	4		
Skin sensitization	1		

HAZARDS NOT REQUIRING CLASSIFICATION

DO NOT mix or allow to come in contact with any oxidizing agent. Hazardous chemical reaction may occur.

PRECAUTIONARY STATEMENTS

Obtain, read and follow all safety instructions before use. Do not breathe dust. Wash hands and exposed skin thoroughly after handling. Do not touch eyes. Do not eat drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace.

(P203+P260+P264+P265+P270+P272)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical help. (P305+P351+P338)

IF SWALLOWED: Get medical help. Rinse mouth. (P301+P317+P330)

IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical help. Specific treatment (see Section 4 on this label). Take off contaminated clothing and wash it before reuse.

(P302+P352+P333+P317+P321+P362+P364)

IF exposed or concerned: Get emergency medical help immediately (P308+P316)

Get medical help if you feel unwell (P319)

Avoid release to the environment not in accordance with the product label. Collect spillage. (P273+P391)

Store locked up. (P405)

Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Indoxacarb	Indeno[1,2-e][1,3,4]oxadiazine-4a(3H)-carboxylic acid, 7-chloro-2,5-dihydro-2-[[[(methoxycarbonyl)[4-(trifluoromethoxy)phenyl]amino]carbonyl]-, methyl ester, (4aS)-	173584-44-6	30.0%
Sodium dodecylbenzenesulfonate	Benzenesulfonic acid, dodecyl-, sodium salt (1:1)	25155-30-0	<1.0%

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

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information. For Chemical Emergency: Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by the poison control center or doctor. Do not give anything to an unconscious person.

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.

5. FIREFIGHTING MEASURES

Flash Point: Not determined

Flammability Limits: Not determined

Fire and Explosion Hazards: On small fires: If area is heavily exposed and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with water spray.

Extinguishing Medium: Water spray, foam dry chemical, carbon dioxide (CO₂).

Unsuitable Extinguishing Medium: High volume water jet (contamination risk).

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Fire Fighting Instructions: Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

Hazardous Combustion Products: Not applicable

NFPA Ratings: Health – 2 / Flammability – 1 / Reactivity – 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined area. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

Environmental Precautions: Contain spillage and minimize spread. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Keep out of drains, sewers, ditches and water ways. Do NOT contaminate water when disposing of rinse waters.

Spill Cleanup: Avoid creating dust during cleanup. Sweep, scoop or shovel spilled material and place into suitable closed containers for reuse or disposal. After decontamination, spill area can be washed with water. Collect washwater for approved disposal. Place leaking containers in oversize leakproof drums for transport.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes or clothing. Avoid breathing dust. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

Storage: Keep this product in its tightly closed original container, when not in use. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals, and avoid excessive heat while in storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Indoxacarb		
AEL*	1 mg/m ³	8 hr. TWA
AEL*	0.5 mg/m ³	12 hr. TWA

*AEL is the Acceptable Exposure Limit. Where governmentally imposed occupations exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

Engineering Controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Protective Clothing: Applicators and other handlers must wear long-sleeved shirt, long pants, shoes, and socks, chemical-resistant gloves such as barrier Laminate, butyl Rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, and Viton ≥ 14 mils.

General: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	light brown granules
Odor:	mildly sweet
Melting/freezing point:	not available
Boiling point/Boiling range:	not available
Flammability:	not available
Flammability limits (upper/lower):	not available
Flash point (cc):	not available
Auto-ignition temperature:	not available
Decomposition temperature:	not available
pH:	8.65-9.65
Viscosity:	not available
Solubility:	not available
Partition coefficient:	not available
Vapor pressure:	not available
Bulk Density:	0.25-1.25 g/cm ³ at indoor ambient temperature
Relative vapor density:	not available
Particle characteristics:	not available

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Not determined.

CHEMICAL STABILITY: Stable at normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: No materials to be especially mentioned.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Information presented below is from testing done on an identical or substantially similar product:

ORAL TOXICITY (rat LD₅₀): 550 mg/kg

DERMAL TOXICITY (rat LD₅₀): >5,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): Not available

EYE IRRITATION: Moderately irritating (Rabbit)

SKIN IRRITATION: No skin irritation (Rabbit)

SKIN SENSITIZATION: Positive skin sensitizer

CARCINOGENICITY:

EPA: "Not likely" to be carcinogenic to humans

ACGIH: Not Listed

NTP: Not Listed

IARC: Not Listed

OSHA: Not Listed

STOT – REPEATED EXPOSURE TOXICITY: Evidence of neurotoxic effects in animal studies (indoxacarb).

DEVELOPMENTAL / REPRODUCTIVE TOXICITY: Developmental and reproductive effects have been observed in some animal studies (indoxacarb).

12. ECOLOGICAL INFORMATION

This pesticide is highly toxic to fish and aquatic invertebrates.

The following information is for the active ingredient, Indoxacarb:

AQUATIC TOXICITY

Rainbow Trout (96-hour LC₅₀): 0.352 mg/L; (NOAEC): 0.15 mg/L

Daphnia (96-hour EC₅₀): 2.94 mg/L; (NOAEC): 0.00411 mg/L

Algae (IC₅₀): > 0.177 mg/L; (NOAEC): 0.177 mg/L

Mysid Shrimp (96-hour LC₅₀): > 0.126 mg/L

AVIAN TOXICITY

Zebra Finch (LD₅₀): 315.5 mg/kg

Mallard Duck (NOAEC): 200 mg/kg

TERRESTRIAL INVERTEBRATE TOXICITY

Honeybee (LD₅₀): 0.068 µg/bee

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Non-refillable containers. See container labeling for complete disposal instructions.

14. TRANSPORT INFORMATION

US-DOT:

Not regulated

IMDG:

Containers ≤ 11 lbs. (5 kg) in strong out packaging:

Not regulated

Containers > 11 lbs. (5 kg) or containers not in strong outer packaging:

Shipped internationally by vessel:	UN3077, Environmentally hazardous substance, solid, N.O.S. (contains indoxacarb), 9, PG III, Marine Pollutant
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IATA:

Shipments by air:	UN3077, Environmentally hazardous substance, solid, N.O.S. (contains indoxacarb), 9, PG III, Marine Pollutant
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This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

FIFRA –

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Harmful if swallowed or if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to mammals, birds, fish and aquatic invertebrates.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT mix or allow to come in contact with any oxidizing agent. Hazardous chemical reaction may occur.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances
Not listed

SARA Title III – Section 311/312 Hazard Categories
Immediate (Acute), Delayed (Chronic)

SARA Title III – Section 312 Threshold Planning Quantity

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients

Not listed

CERCLA Reportable Quantity (RQ) –

Sodium dodecylbenzene sulfonate (CAS No. 25155-30-0): 1,000 lbs.

CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the State of California to cause cancer or other reproductive harm.

CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS 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.

To the extent consistent with applicable law, neither Atticus, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ATTICUS, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SDS Version: 1.0

Effective Date: 08/29/2023



Manufactured for:
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