



SAFETY DATA SHEET

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

1. IDENTIFICATION

PRODUCT NAME: Airstream
DESCRIPTION: Solid Herbicide
EPA REG. NO.: 91234-140
COMPANY IDENTIFICATION: Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

2. HAZARD IDENTIFICATION

WARNING

Causes eye irritation (H320)

May be harmful if swallowed or in contact with skin (H303+H313)

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

HAZARD CLASSIFICATION

| Health Hazards | Category | Physical Hazards | Category |
|--|----------|------------------|----------|
| Serious Eye Damage / Eye Irritation | 2B | None | - |
| Acute Toxicity, Oral | 5 | | |
| Acute Toxicity, Dermal | 5 | | |
| Environmental Hazards | | Category | |
| Hazardous to the aquatic environment, short-term | | 1 | |
| Hazardous to the aquatic environment, long-term | | 1 | |

HAZARDS NOT REQUIRING CLASSIFICATION

Do not mix or allow coming in contact with oxidizing agent. Hazardous chemical reaction may occur.

PRECAUTIONARY STATEMENTS

Wash hands and exposure skin thorough after handling. Do not touch eyes. (P264+P265)

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+P337+P317)

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

IF ON SKIN: Get medical help. (P301+P317)

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

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 |
|-------------------|---|-------------|-------------|
| Bispyribac Sodium | Benzoic acid, 2,6-bis[(4,6-dimethoxy-2-pyrimidinyl)oxy]-, sodium salt | 125401-92-5 | 80.0% |

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.

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 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 do so by the poison control center or doctor. Do not give anything by mouth 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 applicable

Fire and Explosion Hazards: Products of combustion from fires involving this material may be toxic.

Extinguishing Medium: Foam, dry chemical, water fog, or carbon dioxide (CO₂).

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

Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear.

Hazardous Combustion Products: None expected.

NFPA Ratings: Health - 1 / Flammability - 1 / Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

Environmental Precautions: Spills or discharge to natural waterways are likely to kill aquatic organisms. Prevent material from entering public sewer systems or any waterways. Do not flush to drain.

Spill Cleanup: Reduce airborne dust. Avoid runoff into storm sewers or other bodies of water. Clean up spill immediately. Vacuum or sweep up material and place in a chemical waste container. Wash area with soap and water. Pick up wash liquid with additional absorbent and place in a chemical waste container. This material will disperse or dissolve in water. Stop the source of the release. Contain and isolate to prevent further release into soil, surface water and ground water. Clean up spill immediately. Absorb spill with inert material. Remove contaminated water for treatment or disposal.

7. HANDLING AND STORAGE

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

Storage: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

Respiratory Protection: Use this material only in well ventilated areas. If ventilation is not adequate to keep airborne concentrations below recommended exposure standards, approved respiratory protection should be worn.

Protective Clothing: Applicators and other handlers must wear: long-sleeved shirt and long pants; chemical resistant gloves such as Barrier Laminate or Butyl Rubber ≥ 14 mils or Nitrile Rubber ≥ 14 mils or Viton Rubber ≥ 14 mils; and shoes plus socks.

General: 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|----------------------------|
| Appearance: | brown granule |
| Odor: | sweet |
| Melting/freezing point: | not available |
| Boiling point/Boiling range: | not available |
| Flammability: | not available |
| Flammability limits (upper/lower): | not available |
| Flash point: | not available |
| Auto-ignition temperature: | not available |
| Decomposition temperature: | not available |
| pH: | 6-7 (1% dispersion) |
| Kinematic viscosity: | not available |
| Solubility: | not available |
| Partition coefficient: | not available |
| Vapor pressure: | not available |
| Tap Density: | 33-35 lbs./ft ³ |
| Relative vapor density: | not available |
| Particle characteristics: | not available |

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Extremes of temperature and direct sunlight.

CHEMICAL STABILITY: Stable under recommended use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: None known based on information supplied.

HAZARDOUS DECOMPOSITION PRODUCTS: None known based on information supplied.

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): 4,111 mg/kg (males); 2,635 mg/kg (females) (EPA Tox Category III)

DERMAL TOXICITY (rat LD₅₀): >2,000 (EPA Tox Category III)

INHALATION TOXICITY (rat LC₅₀): >4.48 (EPA Tox Category IV)

EYE IRRITATION: Moderately irritating (EPA Tox Category III)

SKIN IRRITATION: Non-irritating (EPA Tox Category IV)

SKIN SENSITIZATION: Guinea pig – Not a Sensitizer

CARCINOGENICITY:

EPA: Not likely to be carcinogenic to humans (bispyribac-sodium).

ACGIH: Not Listed **NTP:** Not Listed

IARC: Not Listed **OSHA:** Not Listed

CHRONIC TOXICITY: Bispyribac-sodium technical was tested in rats for 2 years at doses of 0, 20, 200, 3,500, and 7,000 ppm in males and 0, 20, 200, 5,000, and 10,000 ppm in females. The NOEL was 20 ppm (male 1.1 mg/kg/day, female 1.4 mg/kg/day). Effects observed at higher doses included decreased body weight gain; changes in hematological and blood biochemistry values; and histopathological lesions of the liver and bile duct. No neoplastic lesions were observed. Bispyribac-sodium technical was tested in mice for 18 months at doses of 0, 10, 100, 2,500, and 5,000 ppm. The NOEL was 100 ppm (14.1 mg/kg/day) in males and 10 ppm (1.7 mg/kg/day) in females. Effects observed at higher doses included reduced body weight gain; decreased liver weight; increased kidney weight; and histopathological changes in the liver. No neoplastic lesions were observed. A 52-week chronic toxicity study of bispyribac-sodium technical was conducted in dogs at doses of 0, 10, 100, and 750 mg/kg/day. The NOEL was 10 mg/kg/day. Effects observed at higher doses included salivation, vomiting and loose stools; increased liver weight; and histopathological changes in the bile duct.

DEVELOPMENTAL TOXICITY: Bispyribac-sodium technical was tested in a developmental toxicity study with rabbits at doses of 0, 30, 100 and 300 mg/kg/day. The NOEL for maternal toxicity was 100 mg/kg/day; and for developmental toxicity the NOEL was 300 mg/kg/day. Maternal toxicity included one death and premature delivery and slight depression of body weight gain.

Bispyribac-sodium technical was tested in a developmental toxicity study in rats at dose levels of 0, 100, 300 and 1000 mg/kg/day. The maternal NOEL was 300 mg/kg/day and the developmental NOEL was 1000 mg/kg/day. The maternal toxicity observed at 1000 mg/kg/day consisted of anogenital staining.

MUTAGENIC TOXICITY: Bispyribac-sodium technical was negative in the following assays: reverse mutation (Ames); CHO, chromosomal aberration (in vitro); unscheduled DNA synthesis; and micronucleus in mice (in vivo).

REPRODUCTIVE TOXICITY/TERATOGENICITY: A two-generation rat reproduction study was conducted with bispyribac-sodium technical at doses of 0, 20, 1000, and 10,000 ppm. The NOELs for systemic adult toxicity, offspring developmental parameters and reproductive toxicity were 20, 1000, and 10,000 ppm, respectively. Systemic adult toxicity included decreased body weight gain and food consumption; increased liver weight; and histopathological changes in the liver and bile duct. The growth of the F1 and F2 offspring was inhibited at 10,000 ppm. No evidence of teratogenic effects for the active ingredient bispyribac-sodium.

OTHER TOXICITY: Bispyribac-sodium has shown no indications of central or peripheral nervous system toxicity in any study.

12. ECOLOGICAL INFORMATION

This product is toxic to non-target plants. Bispyribac-sodium is moderately persistent and mobile and will likely move into surface and ground water through runoff and leaching.

The following information is for the active ingredient, Bispyribac-sodium: AQUATIC TOXICITY

Rainbow Trout (96h LC₅₀): >100 ppm

Bluegill: (96h LC₅₀) >100 ppm

Daphnia: (48h EC₅₀) >100 ppm

Mysid shrimp (96h LC₅₀): >100 ppm

Aquatic Plants (EC₅₀): 0.012 mg/L

Aquatic Plants (NOAEC): 0.0066 mg/L

AVIAN TOXICITY

Bobwhite quail (Oral LD₅₀): >2250 mg/kg

Mallard Duck (Dietary LC₅₀): > 5620 mg/kg

Bobwhite quail (Dietary LC₅₀): >5620 mg/kg

OTHER TOXICITY

Earthworms (LC₅₀): > 1000 ppm

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used must 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: Nonrefillable container. Do not reuse or refill this container. See container labeling for complete disposal instructions.

14. TRANSPORT INFORMATION

US-DOT:

Not regulated

IMDG:

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

IATA:

Shipped by air: UN3077, Environmentally hazardous substance, solid, N.O.S. (contains Bispyribac-sodium), 9, PG III, Marine Pollutant

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. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

See inside label booklet for additional precautionary statements.

ENVIRONMENTAL HAZARDS

Do not apply to water except as specified on the label. Under certain conditions, treatment of aquatic weeds can result in oxygen loss from decomposition of dead weeds. This loss can cause fish suffocation. Therefore, to minimize this hazard, water bodies containing high plant density should be treated in sections to prevent suffocation of fish. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas. Consult with the State agency with primary responsibility for regulating pesticides before applying to public waters to determine if a permit is needed.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow coming in contact with 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)

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

None

CERCLA Reportable Quantity (RQ) –

Not listed

CALIFORNIA PROP 65 STATUS –

This product does not contain any ingredients known to the state of California to cause cancer or 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.

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