


SIPCAM AGRO
USA, INC.
Downforce™ ETQ

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 2018-09-20

Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product Identifier

Product Form: Mixture

Product Name: Downforce™ ETQ

Synonyms: Fluazinam, 40%

1.2. Intended Use of the Product

Use of the substance/mixture: Fungicidal compound controlling plant diseases

1.3. Name, Address, and Telephone of the Responsible Party

Manufacturer

Sipcam Agro USA, Inc.

2525 Meridian Parkway, Suite 350

Durham, NC 27713

T 919-226-1195

1.4. Emergency Telephone Number

Emergency Number : (800) 424-9300 CHEMTREC (transportation and spills)

(800) 900-4044 Poison Control Center (human health)

(800) 345-4735 ASPCA (animal health)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Sensitization - Skin

Category 1A, 1B; 1C

Carcinogenicity

Category 1

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Warning

Hazard Statements (GHS-US)

: H317- May cause an allergic skin reaction

H302 - Very toxic to aquatic life..

Precautionary Statements (Prevention)

: P261 - Avoid breathing spray mist.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves.

P273 - Avoid release to the environment.

Precautionary Statements (Response)

: P302+P352: IF ON SKIN: Wash with soap and water.

P333- If skin irritation or rash occurs, get medical advice/attention.

P321 – Specific Treatment (see pesticide product label)

P362+P364 – Take-off contaminated clothing and wash before reuse.

P391 – Collect spillage..

Precautionary Statements (Storage)

: Refer to Section 7 of this SDS for specific storage instructions.

Precautionary Statements (Disposal)

: P501 - Dispose of contents/container to an approved waste disposal plant.

Downforce™ ETQ

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.3. Other Hazards

No additional information available

2.4. Unknown Acute Toxicity (GHS-US)

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product Identifier	%
Fluazinam (3-chloro-N-[3-chloro-2,6-di-nitro-4-(trifluoromethyl) phenyl]-5-(trifluoromethyl)-2-pyridinamine	CAS No 79622-59-6	40

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15-20 minutes.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Treatment: There is no specific antidote. Treat symptomatically.

Take container, label or product name with you when seeking medical attention.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water fog, foam, dry chemical or carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Unknown

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Burning produces noxious and toxic fumes

5.3. Advice for Firefighters

Firefighting 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. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff.

Protection During Firefighting: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Other information

Flash Point: Not detectable

Flammable Limits (LFL-UFL): Not determined

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Handle in accordance with good industrial hygiene and safety practice.

6.1.1. For Non-emergency Personnel

Protective Equipment: Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

Emergency Procedures: Isolate area and keep unnecessary and unprotected personnel from entering.

6.1.2. For Emergency Responders

Protective Equipment: Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

Emergency Procedures: Ventilate area.

Downforce™ ETQ

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.2. Environmental Precautions

Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Dike spill using suitable absorbent or impervious materials such as earth, sand, or clay. Collect and contain contaminated absorbent and place in an appropriate container for disposal. Pump any free liquid into an appropriate closed container and decontaminate tools and equipment following clean-up. Collect washings for disposal.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Hygiene Measures: Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before use. Do not take internally.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in original container in a secured, cool, dry place separate from food and feed. DO NOT store near heat or open flame.

Incompatible Products: Unknown

Storage Area: Store locked up.

7.3. Specific End Use(s)

Fungicide that controls plant diseases.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Occupational Exposure Limits: Unknown

8.2. Exposure Controls

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

Personal Protective Equipment : : Applicators and other handlers must wear coveralls over long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material (such as polyethylene or polyvinyl chloride), protective eyewear, and chemical resistant footwear and socks.

Eye Protection : Protective eyewear

Skin Protection : Long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material (such as polyethylene or polyvinyl chloride), and chemical resistant footwear and socks.

Respiratory Protection : Not normally required.

Other Information : 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. Do not allow contact of contaminated clothing with unprotected skin. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State : Yellow liquid

Appearance : Yellow

Downforce™ ETQ

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Odor	: Pungent
Odor Threshold	: No data available
pH	: 8-5 - 6 (1% suspension)
Relative Evaporation Rate (butylacetate=1)	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: Not detectable
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Relative Density	: No data available
Specific Gravity	: No data available
Density	: 1.2 – 1.3 g/mL
Solubility	: Soluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity, Kinematic	: No data available
Viscosity, Dynamic	: No data available
Explosive Properties	: No data available
Oxidizing Properties	: No data available
Explosive Limits	: Not applicable

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Stable

10.2 Chemical Stability: Product is stable under normal use and storage conditions.

10.3 Possibility of Hazardous Reactions: This product is chemically stable and no hazardous reactions should occur if stored and handled as prescribed. Thermal decomposition can lead to the formation of noxious and toxic fumes.

10.4 Conditions to Avoid: None known

10.5 Incompatible Materials: None known

10.6 Hazardous Decomposition Products: None known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity :

LD₅₀ Oral (rat): > 2,000 mg/kg

LD₅₀ Dermal (rat): > 2,000 mg/kg

LC₅₀ Inhalation (rat): > 0.967mg/L (4 HR)

Acute Toxicity Estimates: No data available

Skin Irritation (rabbit): Mildly irritating.

Eye Irritation (rabbit): Non-irritating.

Specific Target Organ Toxicity: Not known

Skin Sensitization (guinea pig): Sensitizer.

Carcinogenicity: Suggestive evidence of carcinogenicity to humans.

ACGIH – Not listed.

IARC – Not listed.

NTP – Not listed.

Downforce™ ETQ

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

OSHA – Not listed.

Germ Cell Mutagenicity: No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

Reproductive Toxicity: Not a known reproductive toxicant.

Interactive Effects: None known

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

This product is toxic to fish and aquatic invertebrates.

Fluazinam (active ingredient)

Aquatic Toxicity

Rainbow Trout (96-hour LC₅₀): 0.036 mg/L

Daphnia (48-hour LC₅₀): 0.22 mg/L

Algae (96-hr LC₅₀): 0.16 mg/L

Avian Toxicity

Bobwhite quail (oral LD₅₀): 1,782 mg/kg

Mallard Duck (oral LD₅₀): > 4,190 mg/kg

Other Toxicity

Honey Bee (oral LD₅₀): > 100 µg/bee (not toxic to bees)

12.2. Persistence and Degradability

Unknown

12.3. Bioaccumulative Potential

Unknown

12.4. Mobility in Soil

Unknown

12.5. Other Adverse Effects

Other Information : No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations:

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions..

SECTION 14: TRANSPORT INFORMATION

14.3 In Accordance with US DOT

Containers ≤ 119 gals. (450 L): Not regulated

Containers > 119 gals. (450 L):

DOT Shipping Name: UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Fluazinam), 9, PG III

Emergency Response Guide: 171

Marine Pollutant: Yes

IMDG (shipped by vessel):

UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Fluazinam), 9, PG III, Marine Pollutant

14.4 In Accordance with IATA

UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Fluazinam), 9, PG III

Downforce™ ETQ

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations

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. Harmful if absorbed through skin. Harmful if inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before use. Do not take internally.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean highwater mark. Do not contaminate water when disposing of equipment washwater or rinsate. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas.

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

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) –

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.

SECTION 16: OTHER INFORMATION

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. SDS US (GHS HazCom)