

# SAFETY DATA SHEET

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



## 1. IDENTIFICATION

**PRODUCT NAME:** AVIV

**DESCRIPTION:** Liquid fungicide

**EPA Reg. No.:** 91473-1-88783

**COMPANY IDENTIFICATION:**

**Summit Agro USA, LLC**

240 Leigh Farm Road, Suite 415

Durham, NC 27707

## 2. HAZARD IDENTIFICATION

This product is not hazardous according to OSHA Hazard Communication Standard 29 CFR 1910.1200 nor GHS.

### HAZARD CLASSIFICATION

**Health Hazards**

None

**Category**

-

**Physical Hazards**

None

**Category**

-

**Environmental Hazards**

None

**Category**

-

### HAZARDS NOT REQUIRING CLASSIFICATION

May cause skin and eye irritation.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
<i>Bacillus subtilis</i> strain IAB/BS03*	n/a	n/a	0.08%
Other Ingredients	n/a	n/a	99.92%

## 4. FIRST AID MEASURES

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

**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.

## 5. FIREFIGHTING MEASURES

**Flash Point:** Not determined

**Fire and Explosion Hazards:** Not determined

**Extinguishing Medium:** Extinguisher powder or CO<sub>2</sub>. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

**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. Do not use a direct stream of water to extinguish.

**Hazardous Combustion Products:** Thermal decomposition can produce oxides of carbon.

**NFPA Ratings:** Health – 0 / Flammability – 0 / Reactivity - 0

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

**Environmental Precautions:** Product not classified as hazardous for the environment. Prevent material from entering public sewer systems or any waterways. Do not flush to drain or soil.

**Spill Cleanup:** Clean up spill immediately. Absorb spill with non-combustible materials (soil, sand, diatomite, vermiculite, etc.) Dispose of waste as indicated in Section 13. The contaminated area should be immediately cleaned with an appropriate de-contaminator. Pour the de-contaminator on the remains in an opened container and let it act various days until no further reaction is produced.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin or clothing.

**Storage:** Store product in original container only. Keep in a cool, dry place. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

**Protective Clothing:** Applicators and other handlers must wear suitable protective clothing including long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Mixers/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standard of at least N-95, R-95, or P-95.

**General:** Users should remove clothing/PPE immediately if pesticide gets inside. Wash the outside of gloves before removing. Then wash thoroughly and put on clean clothing. Users should 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. Follow manufacturer's instructions for cleaning/maintaining PPE.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid, slightly brown	<b>pH:</b>	6-7
<b>Odor:</b>	Not available	<b>Kinematic viscosity:</b>	Not available
<b>Melting/freezing point:</b>	Not available	<b>Solubility:</b>	Not available
<b>Boiling point/Boiling range:</b>	Not available	<b>Partition coefficient:</b>	Not available
<b>Flammability:</b>	Not available	<b>Vapor pressure:</b>	Not available
<b>Flammability limits (upper/lower):</b>	Not available	<b>Density:</b>	1.24 ± 0.05 g/mL
<b>Flash point:</b>	Not available	<b>Relative vapor density:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available	<b>Particle characteristics:</b>	Not available
<b>Decomposition temperature:</b>	Not available		

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Heating, high temperature, and contact with incompatible materials.

**CHEMICAL STABILITY:** Unstable in contact with: Acids, Bases, and oxidizing agents.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Acids, Bases, and oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** CO<sub>2</sub> (Carbon oxides), Organic compounds. In case of fire, decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

**HAZARDOUS POLYMERIZATION:** At high temperatures can occur pyrolysis and dehydrogenation.

## 11. TOXICOLOGICAL INFORMATION

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

**ORAL TOXICITY (rat LD<sub>50</sub>):** No data available

**DERMAL TOXICITY (rat LD<sub>50</sub>):** No data available

**INHALATION TOXICITY (rat LC<sub>50</sub>):** No data available

**EYE IRRITATION:** May cause eye irritation

**SKIN IRRITATION:** May cause skin irritation

**SKIN SENSITIZATION:** No data available

**CARCINOGENICITY:**

**NTP:** Not listed

**IARC:** Not listed

**EPA:** Not listed

**MUTAGENIC TOXICITY:** No evidence of mutagenic effects for the active ingredients or other components.

**REPRODUCTIVE TOXICITY:** No evidence of fertility or reproductive effects for the active ingredient.

**TERATOGENICITY:** No evidence of teratogenic effects for the active ingredient.

**OTHER TOXICITY:** None known.

## 12. ECOLOGICAL INFORMATION

The active ingredient effects to honeybees is expected to be minimal. Available information on the active ingredient indicates it is not toxic to aquatic or terrestrial organisms or nontarget plants.

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not dump into sewers or waterways.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. See container labeling for complete disposal instructions.

## 14. TRANSPORT INFORMATION

**USDOT:**

**Shipping Description:** Not regulated

**IMDG:** Not regulated

**IATA:** Not regulated

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. Wear safety glasses or goggles. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using toilet. Remove and wash contaminated clothing before reuse.

See inside label booklet for additional precautionary statements.

##### **ENVIRONMENTAL HAZARDS**

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. Do not contaminate water when disposing of equipment wash water or rinsate.

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**

None

### **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) –**

None

### **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**

### **CONDITIONS OF SALE AND LIMITED WARRANTY**

The Directions for Use are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of

SUMMIT AGRO USA, LLC. or the SELLER. To the extent consistent with applicable law, all such risks shall be assumed by the buyer. Summit Agro USA, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. SUMMIT AGRO USA LLC MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SUMMIT AGRO USA LLC AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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SDS Version: 1.0

Effective Date: 11/20/2019