1. PRODUCT IDENTIFICATION

Product Name: AVID 0.15EC MITICIDE/INSECTICIDE
EPA Signal Word: Warning
Active Ingredient(%): Abamectin (2.0%)
Chemical Name: A mixture of avermectins containing primarily Avermectin B1a and Avermectin B1b
Chemical Class: Glycoside Insecticide
EPA Registration Number(s): 100-896

Section(s) Revised: 3, 4, 8, 14

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Material</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other</th>
<th>NTP/IARC/OSHA Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral Oil</td>
<td>5 mg/m³ (mist)</td>
<td>5 mg/m³ (mist); 10 mg/m³ (STEL)</td>
<td>5 mg/m³ (mist); 10 mg/m³ (STEL) **</td>
<td>No</td>
</tr>
<tr>
<td>Butylated Hydroxytoluene (BHT)</td>
<td>Not Established</td>
<td>2 mg/m³ TWA (inhalable)</td>
<td>10 mg/m³ TWA **</td>
<td>IARC Group 3</td>
</tr>
<tr>
<td>n-Methylpyrrolidone (&lt;= 30%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>10 ppm TWA****</td>
<td>No</td>
</tr>
<tr>
<td>Abamectin (2.0%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>0.02 mg/m³ TWA***</td>
<td>No</td>
</tr>
</tbody>
</table>

** recommended by NIOSH
*** Syngenta Occupational Exposure Limit (OEL)
**** Recommended by AIHA (American Industrial Hygiene Association)

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.
Syngenta Hazard Category: C, S

3. HAZARDS IDENTIFICATION

Symptoms of Acute Exposure
Causes eye and skin irritation. Harmful if swallowed or absorbed through the skin. Allergic skin reactions are possible.

Hazardous Decomposition Products
Can decompose at high temperatures forming toxic gases.

Physical Properties
- Appearance: Yellow to red brown liquid
- Odor: Not determined

Unusual Fire, Explosion and Reactivity Hazards
Combustible liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Heavy vapors can flow along surfaces to distant ignition sources and flash back. During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

4. FIRST AID MEASURES

Have the product container, label or Material Safety Data Sheet with you when calling Syngenta (800-888-8372), a poison control center or doctor, or going for treatment.
5. FIRE FIGHTING MEASURES

Fire and Explosion

Flash Point (Test Method): 161°F
Flammable Limits (% in Air): Lower: % Not Applicable  Upper: % Not Applicable
Autoignition Temperature: Not Available
Flammability: Combustible liquid

Unusual Fire, Explosion and Reactivity Hazards

Combustible liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Heavy vapors can flow along surfaces to distant ignition sources and flash back. During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

In Case of Fire

Use appropriate extinguishing media for combustibles in the area. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8.

Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. HANDLING AND STORAGE

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages
or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Ingestion: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Eye Contact: Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Skin Contact: Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear. For overhead exposure, wear chemical-resistant headgear.

Inhalation: A combination particulate/organic vapor respirator may be necessary until effective engineering controls are installed to comply with occupational exposure limits. Use a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with an HE prefilter.

Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow to red brown liquid
Odor: Not determined
Melting Point: Not Applicable
Boiling Point: Not Available
Specific Gravity/Density: 0.96 g/cm³ (68 - 77°F [20 - 25°C])

pH: 2.6 - 3.6 (1% in deionized H2O)

Solubility in H2O
Abamectin: 0.007 - 0.01 mg/l @ 68°F (20°C)

Vapor Pressure
Abamectin: 7.5 x 10(-8) mmHg @ 77°F (25°C)

10. STABILITY AND REACTIVITY

Stability: Stable under normal use and storage conditions.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: None known.
Materials to Avoid: None known.
Hazardous Decomposition Products: Can decompose at high temperatures forming toxic gases.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies (Finished Product)

Ingestion: Moderately Toxic
Oral (LD50 Rat) : ~ 300 mg/kg body weight

Dermal: Moderately Toxic
Dermal (LD50 Rabbit) : > 1,800 mg/kg body weight

Inhalation: Practically Non-Toxic
Inhalation (LC50 Rat) : 3.5 mg/l air - 4 hours

Eye Contact: Moderately Irritating (Rabbit)
Skin Contact: Moderately Irritating (Rabbit)
Skin Sensitization: Sensitizing (Guinea Pig)
12. ECOLOGICAL INFORMATION

Summary of Effects
Abamectin: Highly toxic to fish, invertebrates, birds and bees. Not bioconcentrateable in fish.

Eco-Acute Toxicity
Abamectin: Bees LC50/EC50 0.002 ug/bee
Invertebrates (Water Flea) LC50/EC50 0.00037 ppm
Fish (Trout) LC50/EC50 0.0036 ppm
Fish (Bluegill) LC50/EC50 0.0096 ppm
Birds (8-day dietary - Bobwhite Quail) LC50/EC50 3,102 ppm
Birds (8-day dietary - Mallard Duck) LC50/EC50 383 ppm

Eco-Chronic Toxicity
Abamectin: Not Available

Environmental Fate
Abamectin: The information presented here is for the active ingredient, abamectin.

13. DISPOSAL CONSIDERATIONS

Disposal
Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state,
and federal health and environmental regulations.

Characteristic Waste: Not Applicable
Listed Waste: Not Applicable

14. TRANSPORT INFORMATION

DOT Classification
Ground Transport - NAFTA
Proper Shipping Name: Pesticides, Liquid, Toxic, N.O.S. (Abamectin Solution), Marine Pollutant
Hazard Class or Division: Division 6.1
Identification Number: UN 2902
Packing Group: PG III

Air Transport
Proper Shipping Name: Pesticides, Liquid, Toxic, N.O.S. (Abamectin Solution), Marine Pollutant
Hazard Class or Division: Division 6.1
Identification Number: UN 2902
Packing Group: PG III
Packing Instructions: Passenger: PI 611 - Max. inner pkg. 2.5 liters, single pkg. 60 liters
Cargo: PI 618 - Max. inner pkg. 5 liters, single pkg. 220 liters

B/L Freight Classification
Insecticides, NOI, Poison

Comments
Water Transport - International
Proper Shipping Name: Pesticides, Liquid, Toxic, N.O.S. (Abamectin Solution), Marine Pollutant
Hazard Class or Division: Division 6.1
Identification Number: UN 2902
Packing Group: PG III
IMDG EMS#: F-A, S-A

15. REGULATORY INFORMATION

EPCRA SARA Title III Classification
Section 311/312 Hazard Classes: Acute Health Hazard
Chronic Health Hazard
Fire Hazard

Section 313 Toxic Chemicals: n-Methylpyrrolidone (<= 30%) (CAS No. 872-50-4)

California Proposition 65
Not Applicable

CERCLA/SARA 302 Reportable Quantity (RQ)
None

RCRA Hazardous Waste Classification (40 CFR 261)
Not Applicable

TSCA Status
Exempt from TSCA, subject to FIFRA

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA Hazard Ratings</th>
<th>HMIS Hazard Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health:</td>
<td>Health:</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Flammability:</td>
<td>Flammability:</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Instability:</td>
<td>Reactivity:</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

0     Minimal
1     Slight
2     Moderate
3     Serious
4     Extreme

For non-emergency questions about this product call:

Product Name: AVID 0.15EC MITICIDE/INSECTICIDE
The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.

RSVP# : SCP-955-896A-00129L

End of MSDS