1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
INNIVICTIS CROP CARE LLC
1220 W ASH STREET, SUITE B
WINDSOR, CO 80550

PRODUCT NAME: AVOW
EPA REG. NO.: 89167-11-89391

CHEMICAL NAME: Abamectin
CHEMICAL FAMILY: Insecticide

Hotline Numbers: For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

2. HAZARDS IDENTIFICATION
KEEP OUT OF REACH OF CHILDREN – WARNING: May be fatal if swallowed. Causes substantial but temporary eye injury. Wear protective eyewear (goggles or face shield). DO NOT get in eyes, on skin, or on clothing. Harmful if inhaled or absorbed through the skin. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

3. COMPOSITION, INFORMATION ON INGREDIENTS
Chemical Ingredients: Percentage by Weight: CAS No. TLV (Units)
Abamectin 2.0 65195-56-4 / 65195-55-3 Not listed

Other Ingredients 98.0
N Methyl Pyrrolidone 872-50-4
Butylated Hydroxytoluene 128-37-0
Ethyl Lactate 687-47-8

4. FIRST AID MEASURES
If Swallowed: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

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 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.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

Note to Physician: No specific antidote is available. Treat the patient symptomatically.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT have the product container or label with you when calling a poison control center or doctor.

5. FIRE FIGHTING MEASURES
FLASH POINT (°F/Test Method): >150°F
FLAMMABLE LIMITS (LFL & UFL): Not established
EXTINGUISHING MEDIA: Use foam, dry chemical, carbon dioxide, water spray or fog.
HAZARDOUS COMBUSTION PRODUCTS: Toxic fumes may be emitted in a fire situation.

SPECIAL FIRE FIGHTING PROCEDURES: Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Fire exposed containers can build up pressure and should be kept cool with water spray if possible. Explosive vapor could form from ruptured containers. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Containers will burst from internal pressure under extreme fire conditions. If water is used to fight fire or cool containers, dike to prevent runoff contamination of municipal sewers and waterways. Containers may expand and burst at elevated temperatures.

FIRE FIGHTING EQUIPMENT: Self-contained breathing apparatus with full facepiece. Full fire fighting turn-out gear (Bunker gear).

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, hydrogen and nitrogen.
6. ACCIDENTAL RELEASE MEASURES
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: In case of leak or spill, contain material and dispose as waste. Do not contaminate any body of water. Pick up spilled liquid with absorbent material and sweep up for disposal. Place it and damaged unusable containers in a landfill appropriate for non hazardous chemical waste. Check local, state and federal regulations for proper disposal. NOTE: Prevent spilled material from flowing onto adjacent land, or into municipal sewers and open bodies of water. Always wear proper protective equipment when working with the product.

7. HANDLING AND STORAGE
HANDLING: Wash hands after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 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.
STORAGE: Store in a cool, dry place. Keep out of reach of children and animals. Store in original containers only. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
ENGINEERING CONTROLS: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.
RESPIRATORY PROTECTION: Not normally required. If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.
EYE PROTECTION: Wear chemical goggles or shielded safety glasses when handling and mixing product.
SKIN PROTECTION: Wear coveralls over short-sleeved shirt and short pants, chemical resistant footwear plus socks and chemical-resistant gloves. Wear chemical resistant apron when cleaning equipment, mixing or loading. Always refer to the label of the pesticide(s) in the tank mix and follow the most restrictive requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES
APPEARANCE AND ODOR: Amber liquid, Bland
SPECIFIC GRAVITY (Water=1): 1.03 – 1.05 g/ml
VAPOR PRESSURE: Not established
VAPOR DENSITY: Not established
PERCENT VOLATILE (by volume): Not established
Note: These physical properties are typical values based on material tested but may vary from sample to sample.

10. STABILITY AND REACTIVITY
STABILITY: Stable under proper storage conditions.
CONDITIONS TO AVOID: Temperatures near or above the flash point, >150°F, open flame, spark and static electricity.
IMCOMPATIBILITY: None Known
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of hydrogen and nitrogen.

11. TOXICOLOGICAL INFORMATION
Based on a similar formulation
Acute Oral LD₅₀: >300 mg/kg (female) Acute Dermal LD₅₀: >5,000 mg/kg (Rat)
Eye Irritation: Moderately irritating Skin Irritation: Slightly irritating
Inhalation LC₅₀: >2.9 mg/L Skin sensitization: Not a contact sensitizer
Carcinogenic Potential: None listed in OSHA, NTP, IARC, or ACGIH

12. ECOLOGICAL INFORMATION
This pesticide is toxic to fish and wildlife. DO NOT apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. DO NOT apply when weather conditions favor drift from target areas. DO NOT contaminate water when disposing of equipment washwater or rinsate. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. DO NOT apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.
Use of this product may pose a risk to threatened and endangered species of fish, amphibians, crustaceans (including fresh water shrimp), and insects. All use of this product in the state of California should comply with the recommendations of the California Endangered Species Project. Before using this product in California, consult with your county agriculture commissioner to determine use limitations that apply in your area. This product may impact surface water quality due to runoff
of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a medium potential for reaching both surface water and aquatic sediment via runoff for several weeks to months after application. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of abamectin from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours.

13. DISPOSAL CONSIDERATIONS
Do not reuse product containers. Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to http://www.acrecycle.org for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by local, state and federal regulations.

14. TRANSPORT INFORMATION
DOT
< 119 gallons per complete package - UN2902, Pesticide, liquid, toxic, n.o.s., (Abamectin), 6.1, III
≥ 119 gallons per complete package - UN2902, Pesticide, liquid, toxic, n.o.s., (Abamectin), 6.1, III, Marine pollutant
IMDG - UN2902, Pesticide, liquid, toxic, n.o.s., (Abamectin), 6.1, III, Marine pollutant
IATA - UN2902, Pesticide, liquid, toxic, n.o.s., (Abamectin), 6.1, III

15. REGULATORY INFORMATION
NFPA RATINGS: Least = 0 Slight = 1 Moderate = 2 High = 3 Severe = 4
Ratings for this product: Health – 2 Flammability – 1 Instability – 0 Special Hazards – None Specified
SARA Title III Hazard Category: Immediate Y Fire Y Sudden Release of Pressure N
Delayed Y Reactive N
Reportable Quantity (RQ) under U.S. CERCLA: None
SARA, Title III, Section 313: None
CA Proposition 65: WARNING. This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

16. OTHER
Date of Issue: 08/21/14 Supersedes: New

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