



**VOLUNTARY PURCHASING GROUPS, INC.**

## **Safety Data Sheet Hi-Yield Fire Ant Control with Acephate**

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### **SECTION 1: Identification**

#### **GHS Product identifier**

Product name Hi-Yield Fire Ant Control with Acephate

Product number 33033; 33035

#### **Other means of identification**

EPA Reg. No. 70506-1-7401

#### **Recommended use of the chemical and restrictions on use**

Insecticide.

#### **Supplier's details**

Name Voluntary Purchasing Groups, Inc.  
Address 230 FM 87  
Bonham TX 75418  
USA

Telephone 855-270-4776

#### **Emergency phone number**

In the event of a medical or chemical emergency contact ChemTel, Inc.  
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

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### **SECTION 2: Hazard identification**

#### **Classification of the substance or mixture**

**GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)**

#### **GHS label elements, including precautionary statements**

#### **Hazard statement(s)**

H302 Harmful if swallowed  
H312 Harmful in contact with skin

#### **Precautionary statement(s)**

P102 Keep out of reach of children.  
P103 Read label before use.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P262 Do not get in eyes, on skin, or on clothing.

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### Other hazards which do not result in classification

Product has a persistent odor that is difficult to remove.

Very toxic to aquatic life with long lasting effects. May be harmful in contact with skin.

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## SECTION 3: Composition/information on ingredients

### Mixtures

Chemical Family: Pyrethroid

### Hazardous components

Component	Concentration
Acephate (CAS no.: 30560-19-1; EC no.: 250-241-2; Index no.: 015-079-00-7)	75 %
CLASSIFICATIONS: Acute toxicity, Cat. 4. HAZARDS: H302 - Harmful if swallowed.	

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## SECTION 4: First-aid measures

### Description of necessary first-aid measures

General advice	Acephate is a cholinesterase inhibitor. A Physician should be contacted in all cases of exposure to acephate and its formulations. Immediately call a poison control center or doctor in every case of suspected chemical poisoning.
If inhaled	Move person to fresh air. If person is not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Immediately call a poison control center or doctor for treatment advice.
In case of skin contact	Take off contaminated clothing. Wash skin with soap and plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice. If a rash or any of the symptoms of acute exposure appear, contact a physician immediately.
In case of eye contact	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice. If there will be a delay in getting medical attention, rinse the eyes for at least another 15 minutes.
If swallowed	Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a doctor or poison control center. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

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Personal protective equipment for first-aid responders

See section 8 for personal protection and exposure controls.

Do not breathe fumes. Wear full protective gear, including protective gloves, eye protection and self-contained breathing apparatus.

#### **Indication of immediate medical attention and special treatment needed, if necessary**

This is an Organophosphate (OP) Insecticide. Do not wait for laboratory confirmation to treat patients with strong clinical evidence of poisoning. In the USA and other countries, contact your local or national poison control center for more information. Establish airway and oxygenation. IV Atropine sulfate is the antidote of choice. Moderately severe poisoning: use 0.4-2.0 mg in adults or 0.05 mg/kg in children. Repeat every 15 minutes until atropinization is achieved. Severe poisoning may require larger doses. Cholinergic toxicity may recur as atropinization wears off; monitor patient closely. Draw blood for RBC and plasma cholinesterase. In addition, Pralidoxime (2-PAM) is indicated during the first 36 hours in severe poisonings. Slow IV administration (no less than 2 minutes) of 1 gram in adults or 20-50 mg/kg in children may be repeated in 1 to 2 hours if muscle weakness, twitching, and/or respiratory depression persist. Avoid morphine, aminophylline, phenothiazines, reserpine, furosemide, and ethacrynic acid. Bathe and shampoo contaminated skin and hair. If ingested, empty stomach; activated charcoal is useful to further limit absorption. If victim is alert, Syrup of Ipecac (2 tablespoons in adults, 1 tablespoon in small children) followed by water (2 glasses for adults, 1 glass for children) is indicated. If symptoms such as loss of gag reflex, convulsions, or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

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## SECTION 5: Fire-fighting measures

#### **Suitable extinguishing media**

Water spray, dry chemical, foam, or carbon dioxide.

#### **Specific hazards arising from the chemical**

This product may emit hazardous fumes of phosphorus oxides, carbon dioxides, nitrogen oxides and unidentified organic compounds. when it is heated excessively or burned. WEAR SELF\_CONTAINED BREATHING APPARATUS.

#### **Special protective actions for fire-fighters**

Do not breathe fumes. Wear full protective gear, including protective gloves, eye protection and self-contained breathing apparatus. Wash clothing before reuse.

#### **Further information**

This is a solid product that will support fire if it is preheated.

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## SECTION 6: Accidental release measures

#### **Personal precautions, protective equipment and emergency procedures**

Isolate and post spill area. Remove all sources of ignition. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.

#### **Environmental precautions**

Keep out of water sources. Use appropriate personal protective equipment to prevent exposure to this product. Reduce or prevent airborne dust by covering spill.

#### **Methods and materials for containment and cleaning up**

Land: Sweep up or vacuum the product into a secure container for reuse or disposal. Wash area with soap and water. Pick up wash liquid with additional absorbent and place in a chemical waste container.

Water: 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. Remove contaminated water for treatment or disposal.

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### Reference to other sections

Section 8

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## SECTION 7: Handling and storage

### Precautions for safe handling

Keep this product cool and dry. Keep container closed. Store away from feed, food, and drink. Keep away from children and pets. Wash thoroughly after handling this product.

### Conditions for safe storage, including any incompatibilities

Store product in its original container in a cool, dry, locked place out of direct sunlight. Keep out of reach of children.

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## SECTION 8: Exposure controls/personal protection

### Appropriate engineering controls

Ventilation should be sufficient to keep the airborne concentrations of this product at a minimum. An eyewash station and a safety shower should be located in the work area.

### Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Safety glasses with side shields should be used whenever hazardous chemicals are being handled.

#### Skin protection

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and closed toe footwear plus socks. Follow manufacturer's instructions for cleaning/maintaining personal protection equipment (PPE). If no such instructions are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### Body protection

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and closed toe footwear plus socks. Follow manufacturer's instructions for cleaning/maintaining personal protection equipment (PPE). If no such instructions are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### Respiratory protection

A properly FIT-TESTED NIOSH/MSHA-approved respirator fitted with organic vapor cartridges and dust filters is recommended when working with this product if the ventilation is insufficient to keep airborne concentrations of this material at a minimum.

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## SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Solid white powder
Odor	Strong cabbage-like odor
Odor threshold	No data available.
pH	4.7
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability or explosive limits	No data available.
Vapor pressure	1.7 X 10 <sup>-6</sup> mm Hg @ 24°C (acephate)
Vapor density	No data available.
Relative density	No data available.

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Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.

### Additional properties

Physical state	Solid
Color	White
Explosive properties	No data available.
Oxidizing properties	Based on known chemistry, neither the active ingredients nor the inert ingredients are considered to be either strong oxidizing or reducing agents.

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## SECTION 10: Stability and reactivity

### Reactivity

Not applicable

### Chemical stability

This product is stable under normal storage and use conditions.

### Possibility of hazardous reactions

This product will not polymerize.

### Conditions to avoid

None known

### Incompatible materials

Strong oxidizing agents and alkaline compounds.

### Hazardous decomposition products

This product may emit hazardous fumes of phosphorus oxides, carbon oxides, nitrogen oxides, and unidentified organic compounds when it is exposed to strong oxidizing compounds, heated excessively or burned. WEAR SELF\_CONTAINED BREATHING APPARATUS when these conditions are present.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Organophosphate (OP) Insecticide.

#### Skin corrosion/irritation

Skin irritation(rabbit): Slight irritation (Tox Cat IV)

#### Serious eye damage/irritation

Eye irritation(rabbit): Minimal Irritant (Tox Cat III)

#### Respiratory or skin sensitization

Skin sensitization(guinea pig): Not a sensitizer

#### Germ cell mutagenicity

Acephate is not considered to be a mutagenic hazard.

#### Carcinogenicity

There was an increase in liver carcinoma and adenoma observed in female mice only fed diets containing the

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highest dose level of Acephate Technical throughout their entire lifetime. Male mice and rats showed no carcinogenic effects at any dose level tested. EPA has classified Acephate as a Group C (possible human carcinogen).

#### **Reproductive toxicity**

No evidence of reproductive toxicity.

#### **Specific target organ toxicity (STOT) - single exposure**

No information available

#### **Specific target organ toxicity (STOT) - repeated exposure**

No information available

#### **Aspiration hazard**

No information available.

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## **SECTION 12: Ecological information**

#### **Toxicity**

This pesticide is toxic to fish and aquatic organisms. Cover or incorporate powder. Do not contaminate water when disposing of equipment wash waters. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the main high water mark. Do not apply directly adjacent to potable water supplies. This product is moderately toxic to birds and may cause adverse reproductive effects.

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## **SECTION 13: Disposal considerations**

#### **Disposal methods**

#### **Product disposal**

Wastes resulting from the use of this product may be disposed on site (by use according to the label) or at an approved waste disposal facility.

#### **Packaging disposal**

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

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## **SECTION 14: Transport information**

#### **DOT (US)**

Not regulated

#### **IMDG**

Not regulated

#### **IATA**

Not regulated

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## **SECTION 15: Regulatory information**

#### **Safety, health and environmental regulations specific for the product in question**

#### **SARA 313 Components**

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Chemical name: Bifenthrin  
CAS number: 82657-04-3  
Weight %: 0.115  
SARA 313 - Threshold Values %: 1.0

### SARA 311/312 Hazards

Acute health hazard Yes  
Chronic health hazard Yes  
Fire hazard No  
Sudden release of pressure hazard No  
Reactive Hazard No

### California Prop. 65 Components

This product does not contain any Proposition 65 chemicals.

### Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: Acephate  
CAS number: 30560-19-1  
TRI listing: X-reportable; CERCLA listing: unlisted; TURA-only listing: no; de minimis concentration threshold: 1 percent. Changes: Added to TURA and TRI RY1995

### New Jersey Right To Know Components

Common name: Acephate  
CAS number: 30560-19-1  
Listing note: CA-carcinogen.

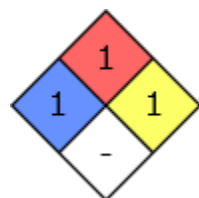
### Water hazard class (WGK, Germany)

Chemical name: Acephate, cas number: 30560-19-1  
WGK hazard class: WGK 2 - Hazardous to water

### HMIS Rating

Hi-Yield Fire Ant Control with Acephate	
HEALTH	* 1
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	

### NFPA Rating



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## SECTION 16: Other information

### Further information/disclaimer

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