



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield® Fire Ant Control with Acephate

SECTION 1: Identification

Product identifier

Product name Hi-Yield® Fire Ant Control with Acephate

Product number

Other means of identification

EPA REG # 70506-1-7401

Supplier's details

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

Telephone 855-270-4776

Emergency phone number(s)

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

SECTION 2: Hazard identification

General hazard statement

CAUTION: ACEPHATE is a Mild Cholinesterase Inhibitor.

Classification of the substance or mixture

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.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P262 Do not get in eyes, on skin, or on clothing.

Other hazards which do not result in classification

Safety Data Sheet

Hi-Yield® Fire Ant Control with Acephate

Product has a persistent odor that is difficult to remove.

SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Component	Concentration
Acephate (CAS no.: 30560-19-1; EC no.: 250-241-2; Index no.: 015-079-00-7)	75 %

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.

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

Safety Data Sheet

Hi-Yield® Fire Ant Control with Acephate

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.

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.

SECTION 6: Accidental release measures

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.

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.

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 Data Sheet

Hi-Yield® Fire Ant Control with Acephate

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.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Solid white powder
Odor	Strong cabbage-like odor
Odor threshold	
pH	4.7
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Will support fire if it is preheated
Upper/lower flammability limits	
Upper/lower explosive limits	
Vapor pressure	1.7 X 10 ⁻⁶ mm Hg @ 24°C (acephate)
Vapor density	
Relative density	
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

SECTION 10: Stability and reactivity

Chemical stability

This product is stable under normal storage and use conditions.

Possibility of hazardous reactions

This product will not polymerize.

Incompatible materials

Strong oxidizing agents and alkaline compounds.

Safety Data Sheet

Hi-Yield® Fire Ant Control with Acephate

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.

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 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.

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.

SECTION 13: Disposal considerations

Disposal of the product

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.

Disposal of contaminated packaging

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

Safety Data Sheet

Hi-Yield® Fire Ant Control with Acephate

compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

SECTION 14: Transport information

DOT (US)

Not regulated

IMDG

Not regulated

IATA

Not regulated

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question**Massachusetts Right To Know Components**

Chemical name: Acephate

CAS number: 30560-19-1

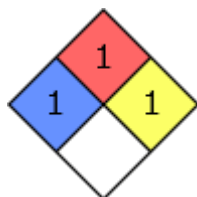
New Jersey Right To Know Components

Common name: ACEPHATE

CAS number: 30560-19-1

SARA 311/312 Hazards**HMIS Rating**

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

NFPA Rating

SECTION 16: Other information

Further information/disclaimer

Voluntary Purchasing Groups, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here

Safety Data Sheet
Hi-Yield® Fire Ant Control with Acephate

pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.