



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield® Grub Free Zone III

SECTION 1: Identification

Product identifier

Product name Hi-Yield® Grub Free Zone III

Product number 33058

Other means of identification

EPA# 53883-199-7401

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

Classification of the substance or mixture

GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)

H303 May be harmful if swallowed
H313 May be harmful in contact with skin
H320 Causes eye irritation
H400 Very toxic to aquatic life

Precautionary statement(s)

Safety Data Sheet

Hi-Yield® Grub Free Zone III

P102

Keep out of reach of children.

SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Component	Concentration
Imidacloprid (CAS no.: 138261-41-3)	Not specified
New component	Not specified

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Have a product container or label with you when calling a poison control center or doctor, or going for treatment. NOTE TO PHYSICIAN: No specific antidote, treat symptomatically.
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration. Call a poison control center or doctor for further treatment advice.
In case of skin contact	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.
In case of eye contact	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.
Personal protective equipment for first-aid responders	Self-contained breathing apparatus with full face piece.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use foam, dry chemical, or water spray.

Specific hazards arising from the chemical

Can burn in fire, releasing irritating and toxic gases due to thermal decomposition or combustion.

Special protective actions for fire-fighters

Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. 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. Minimize use of water to prevent environmental contamination

Safety Data Sheet

Hi-Yield® Grub Free Zone III

Further information

Self-contained breathing apparatus with full face piece.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

IN CASE OF SPILLS OR LEAKS: Clean up spills immediately, observing precautions in Section 8 of this document. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

SMALL SPILL: Vacuum or sweep up material and place in a container for reuse or disposal.

LARGE SPILL: Avoid creating dust cloud. Vacuum or sweep up material and place in a container for reuse or disposal. Reduce airborne dust and prevent scattering by moistening with water. Pick up wash liquid with additional absorbent and place in a disposable container. After removal, flush contaminated area thoroughly with water.

Minimize use of water to prevent environmental contamination

Environmental precautions

Highly toxic to bees, birds and aquatic invertebrates. Keep out of water ways.

SECTION 7: Handling and storage

Precautions for safe handling

Use only in a well-ventilated area. Minimize dust generation and accumulation. KEEP OUT OF REACH OF CHILDREN!

Conditions for safe storage, including any incompatibilities

Store in original container in a cool, dry place, out of the reach of children, preferably a locked storage cabinet.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Proper ventilation is required when handling or using this product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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

Eye/face protection

Safety glasses.

Skin protection

Long-sleeved shirt and long pants, Shoes plus socks

Body protection

Wear gloves made of waterproof material. Discard clothing and other absorbent materials that have been heavily contaminated with this product. Do not reuse them. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form
Odor

Tan to gray granule powder
No appreciable odor

Safety Data Sheet

Hi-Yield® Grub Free Zone III

Odor threshold	
pH	7.0 – 8.0
Melting point/freezing point	
Initial boiling point and boiling range	
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	5.2x10 ⁻⁶ Pa @ 25°C (Imidacloprid)
Vapor density	
Relative density	30 - 50 lb/cu. ft.
Solubility(ies)	
Partition coefficient: n-octanol/water	log Pow = 0.57 @ 25°C (Imidacloprid)
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

Other safety information

Listed density is an approximate value and does not necessarily represent that of a specific batch.

SECTION 10: Stability and reactivity

Reactivity

Not reactive

Chemical stability

Stable under normal conditions, however may decompose if heated. Product will not undergo polymerization

Possibility of hazardous reactions

Conditions to avoid

Avoid temperatures above 100°F (38°C) for prolonged period of time.

Incompatible materials

NA

Hazardous decomposition products

Hydrogen cyanide, Hydrogen chloride, Carbon monoxide, Nitrogen oxides.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

ACUTE TOXICITY: Oral LD50 (rat) - > 5,000 mg/Kg

Dermal LD50 (rat) - > 2,000 mg/Kg

Inhalation LC50 (rat) - > 5.0 mg/L

Eye Irritation (rabbit) - Mild

Skin Irritation (rabbit) - Mild

Sensitization (guinea pig) - Non-sensitizer

Safety Data Sheet

Hi-Yield® Grub Free Zone III

Skin corrosion/irritation

Mild irritaion

Serious eye damage/irritation

Mild irritaion

Germ cell mutagenicity

Little or no evidence of mutagenic effects during in vivo or in vitro studies.

Summary of evaluation of the CMR properties

No reproductive or teratogenic (birth defect) effects at normal exposure levels

SECTION 12: Ecological information

Toxicity

This product is toxic to birds and aquatic invertebrates. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply directly to water. Do not contaminate water when cleaning equipment or disposing of equipment washwater.

Persistence and degradability

FATE: Imidacloprid has a soil ½ life of 29 - 225 days depending on soil type and conditions. It is soluble in water and has the potential to leach in permeable soil types.

SECTION 13: Disposal considerations

Disposal of the product

Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain. Do not contaminate water, food or feed by storage or disposal.

Disposal of contaminated packaging

CONTAINER: Non-refillable container. Do not reuse or refill this container. Paper and plastic bags: Completely empty bag into application equipment. Then dispose of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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

SARA 311/312 Hazards

SARA 313 Components

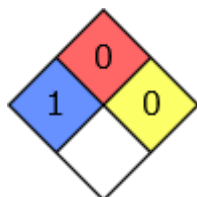
Safety Data Sheet

Hi-Yield® Grub Free Zone III

HMIS Rating

Hi-Yield® Grub Free Zone III	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

DISCLAIMER: The information presented herein is based on available data from reliable sources and is correct to the best of Voluntary Purchasing Groups Inc.'s knowledge. Voluntary Purchasing Groups Inc. makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions.

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling.

It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.