



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Grub Free Zone III

SECTION 1: Identification

GHS Product identifier

Product name	Hi-Yield Grub Free Zone III
Product number	33056; 33058
Brand	Hi-Yield

Other means of identification

EPA Reg. No. 53883-199-7401

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

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

SECTION 2: Hazard identification

General hazard statement

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Classification of the substance or mixture

GHS label elements, including precautionary statements

Pictograms



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

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Precautionary statement(s)

P102

Keep out of reach of children.

P103

Read label before use.

Other hazards which do not result in classification

No data available.

SECTION 3: Composition/information on ingredients

Mixtures

Other names / synonyms: No data available.

Impurities and stabilizing additives: No data available.

Hazardous components

Component	Concentration
Imidacloprid (CAS no.: 138261-41-3)	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

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.

Most important symptoms/effects, acute and delayed

To date no symptoms are known.

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

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Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Do not use high volume water jet.

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.

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.

Methods and materials for containment and cleaning up

On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Reference to other sections

See Heading 8. Exposure controls and personal protection.

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.

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

Eye/face protection

Chemical goggles or 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.

Respiratory protection

Wear approved mask.

Thermal hazards

No data available.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Tan to gray granule powder
Odor	No appreciable odor
Odor threshold	No data available.
pH	7.0 – 8.0
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	5.2x10 ⁻⁶ Pa @ 25°C (Imidacloprid)
Vapor density	No data available.
Relative density	30 - 50 lb/cu. ft.
Solubility(ies)	No data available.
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	Tan to gray
Explosive properties	No data available.
Oxidizing properties	No data available.

Further safety characteristics (supplemental)

No data available.

SECTION 10: Stability and reactivity

Reactivity

Not reactive.

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Chemical stability

Stable under normal conditions, however may decompose if heated.

Possibility of hazardous reactions

Product will not undergo polymerization.

Conditions to avoid

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

Incompatible materials

No information available.

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

Skin corrosion/irritation

Mild irritaion.

Serious eye damage/irritation

Mild irritaion.

Respiratory or skin sensitization

Not Classified.

Germ cell mutagenicity

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

Carcinogenicity

Imidacloprid was not carcinogenic in lifetime feeding studies in rats and mice.

Reproductive toxicity

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

Specific target organ toxicity (STOT) - single exposure

Not Classified.

Specific target organ toxicity (STOT) - repeated exposure

Not Classified.

Aspiration hazard

Not Classified.

SECTION 12: Ecological information

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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 $\frac{1}{2}$ 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.

Bioaccumulative potential

Not applicable

Mobility in soil

Not applicable

Results of PBT and vPvB assessment

Not applicable

SECTION 13: Disposal considerations

Disposal methods

Product disposal

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.

Packaging disposal

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.

Waste treatment

Avoid release to the environment.

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

Toxic Substances Control Act (TSCA) Inventory

Not Listed.

SARA 311/312 Hazards

Not Listed.

SARA 313 Components

Product name: Hi-Yield Grub Free Zone III

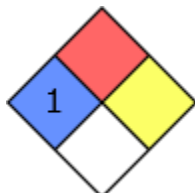
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HMIS Rating

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

NFPA Rating



SECTION 16: Other information

Further information/disclaimer

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