

# **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 or 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)

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

#### **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

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)

#### Eve/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

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

#### 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

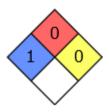
SARA 311/312 Hazards

**SARA 313 Components** 

## **HMIS Rating**



#### **NFPA** Rating



#### **SECTION 16: Other information**

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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.