



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Grub Free Zone

SECTION 1: Identification

GHS Product identifier

Product name	Hi-Yield Grub Free Zone
Product number	33064
Brand	Hi-Yield

Other means of identification

EPA Reg. No. 53883-256-7401

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

Suspected of causing cancer.

Classification of the substance or mixture

- Carcinogenicity, Cat. 2

GHS label elements, including precautionary statements

Pictograms



Signal word

Warning

Hazard statement(s)

H351

Suspected of causing cancer

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Precautionary statement(s)

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P280	Wear protective gloves/protective clothing/eye protection/face protection
P308+P313	IF exposed or concerned: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container in accordance with local/national regulations
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)	0.22 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible)
If inhaled	Assure fresh air breathing. Allow the victim to rest.
In case of skin contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse
In case of eye contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist
If swallowed	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention
Personal protective equipment for first-aid responders	No data available.

Most important symptoms/effects, acute and delayed

No data available.

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

No data available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

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Specific hazards arising from the chemical

No data available.

Special protective actions for fire-fighters

Use water spray or fog for cooling exposed containers. Avoid (reject) fire-fighting water to enter environment.

Further information

No data available.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Evacuate unnecessary personnel.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Protect from moisture. Keep container tightly closed. Do not handle until all safety precautions have been read and understood.

Conditions for safe storage, including any incompatibilities

Protect from moisture. Keep container closed when not in use. Store in original container. Store in a dry place.

Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Suspected of causing cancer

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

Eye/face protection

Chemical goggles or safety glasses.

Skin protection

Suspected of causing cancer

Body protection

Avoid all unnecessary exposure.

Respiratory protection

Wear approved mask.

Thermal hazards

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No data available.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Solid; Gray Granule.
Odor	Minimal
Odor threshold	No data available.
pH	No data available.
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	No data available.
Vapor density	No data available.
Relative density	56-64 lb/ft ³
Solubility(ies)	Unknown.
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	Gray
Explosive properties	No data available.
Oxidizing properties	No data available.

Further safety characteristics (supplemental)

No data available.

SECTION 10: Stability and reactivity

Reactivity

No data available.

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

No hazardous reactions when stored and handled according to prescribed instructions.

Conditions to avoid

Extremely high or low temperatures.

Incompatible materials

Strong acids. Strong bases.

Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

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Information on toxicological effects

Acute toxicity

LD50 (male/female combined Rat) >4820 mg/kg
LC50 (male/female combined Rat) >5.09 mg/l (4h)
LD 50 (male/female combined Rat) >2000 mg/kg

Skin corrosion/irritation

No skin irritation (rabbit)

Serious eye damage/irritation

Mild eye irritation (rabbit)

Respiratory or skin sensitization

Skin: non-sensitizing (guinea pig)

Germ cell mutagenicity

Not Classified.

Carcinogenicity

Suspected of Causing Cancer.

Reproductive toxicity

Imidacloprid caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Imidacloprid is related to parental toxicity.

Specific target organ toxicity (STOT) - single exposure

Not Classified.

Specific target organ toxicity (STOT) - repeated exposure

Imidacloprid did not cause specific target organ toxicity in experimental animal studies.

Aspiration hazard

Not Classified.

SECTION 12: Ecological information

Toxicity

LC50 (rainbow trout) 211 mg/l (96h)
EC50 (water flea) 85 mg/l (48h)
LC50 (non-biting midge) 0.0552 mg/l (24h)
EC10 (non-biting midge) 2.09 µg/l (28d)
EC50 (green algae) >10 mg/l
EC50 (activated sludge) >10,000 mg/l

Persistence and degradability

Not rapidly biodegradable.

Bioaccumulative potential

Does not bioaccumulate.

Mobility in soil

Moderately mobile in soils.

Results of PBT and vPvB assessment

Not applicable

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SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose in a safe manner in accordance with local/national regulations.

Waste treatment

Avoid release to the environment

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

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

Toxic Substances Control Act (TSCA) Inventory

Not Listed.

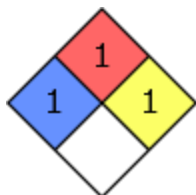
SARA 311/312 Hazards

Not Listed.

HMIS Rating

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

NFPA Rating



SECTION 16: Other information

Further information/disclaimer

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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. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.