



## VOLUNTARY PURCHASING GROUPS, INC.

### Safety Data Sheet Hi-Yield® KILLZALL 365

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#### SECTION 1: Identification

##### Product identifier

Product name Hi-Yield® KILLZALL 365

Product number 32170

##### Other means of identification

EPA # 81927-58-7401

##### 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

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#### SECTION 2: Hazard identification

##### Classification of the substance or mixture

##### GHS label elements, including precautionary statements

##### Pictogram



##### Signal word

**Danger**

##### Hazard statement(s)

H318  
H401

Causes serious eye damage  
Toxic to aquatic life

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### Precautionary statement(s)

P102

Keep out of reach of children.

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## SECTION 3: Composition/information on ingredients

### Substances

### Hazardous components

Component	Concentration
N-(Phosphonomethyl)glycine, monoisopropylamine salt solution (CAS no.: 38641-94-0)	40 - 50 %
Imazapyr, isopropylamine salt (CAS no.: 81510-83-0)	1 %

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## SECTION 4: First-aid measures

### Description of necessary first-aid measures

General advice	Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.
If inhaled	Remove person to fresh air and keep comfortable for breathing. Call a doctor or poison control center if you feel unwell.
In case of skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If skin irritation or rash occurs: Get medical attention/advice.
In case of eye contact	Rinse cautiously with water for 15-20 minutes. Remove contact lenses, if present and easy to do after the first 5 minutes, then continue rinsing eye. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If swallowed	Immediately call a doctor or poison control center. Do not give any liquid to the person. 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.

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

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## SECTION 5: Fire-fighting measures

### Suitable extinguishing media

Water spray, fog, dry foam, dry chemical or carbon dioxide (CO<sub>2</sub>).

### Specific hazards arising from the chemical

Thermal decomposition during a fire can produce fumes and irritating gases. Hazardous Combustion Products: Hydrogen chloride, oxides of carbon, nitrogen and phosphorus.

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### Special protective actions for fire-fighters

Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear. Evacuate the area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect fire-extinguishing water to prevent environmental damage with excessive water runoff.

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## SECTION 6: Accidental release measures

### Environmental precautions

This product is toxic to plants. Drift and run-off may be hazardous to plants in water adjacent to treated areas.

### Methods and materials for containment and cleaning up

Clean up spills immediately, observing precautions in Section 8 of this SDS. Isolate hazard area. Keep unnecessary personnel from entering.

Small Spills: Contain small spill by diking with a suitable absorbent material such as earth, sand or clay. Sweep up absorbed spill and place material in appropriate recovery drums for disposal.

Large Spills: Contain large spills by diking with a suitable absorbent material such as earth, sand or clay and recover for disposal. After removal, decontaminate tools and equipment. Wash the spill area, tools, and equipment with strong soap and water solution. Absorb any excess liquid and add to the recovery drums of waste already collected. Dispose all wastes as described in Section 13. Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

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## SECTION 7: Handling and storage

### Precautions for safe handling

Do not get in eyes or on clothing. Avoid contact with skin. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove Personal Protective Equipment (PPE) immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Keep out of reach of children.

### Conditions for safe storage, including any incompatibilities

Store product in original container in a safe place and protect from freezing. Do not contaminate water, food, or feed by storage or disposal.

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## SECTION 8: Exposure controls/personal protection

### Appropriate engineering controls

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

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

#### Eye/face protection

Wear protective eyewear (goggles, safety glasses, face shield)

#### Skin protection

Long-sleeved shirt, long pants, shoes, socks and chemical resistant gloves.

#### Body protection

General: Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## **SECTION 9: Physical and chemical properties**

### **Information on basic physical and chemical properties**

Appearance/form	Clear, yellow liquids
Odor	Slight odor
Odor threshold	
pH	4.0-5.5
Melting point/freezing point	
Initial boiling point and boiling range	
Flash point	Not flammable
Evaporation rate	
Flammability (solid, gas)	Not determined
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	9.76 lbs./gal.
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

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## **SECTION 10: Stability and reactivity**

### **Reactivity**

HAZARDOUS POLYMERIZATION: Will not occur.

### **Chemical stability**

Stable under all normal use and storage conditions.

### **Conditions to avoid**

Avoid excessive heat and fire.

### **Incompatible materials**

Strong oxidizing agents, acids and bases.

### **Hazardous decomposition products**

Hydrogen chloride, oxides of carbon, nitrogen, and phosphorus.

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## **SECTION 11: Toxicological information**

### **Information on toxicological effects**

#### **Acute toxicity**

ORAL TOXICITY (rat LD50): > 5,000 mg/kg

#### **Skin corrosion/irritation**

Guinea Pigs - Not a contact sensitizer

Rabbit – Slightly irritating

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### Serious eye damage/irritation

Rabbit – Moderately irritating with corneal involvement persisting for 21 days /(rat LD50): > 5,000 mg/kg

### Respiratory or skin sensitization

INHALATION TOXICITY (rat LC50): > 2.06 mg/L (4-hour)

### Germ cell mutagenicity

No evidence of mutagenic effects during in vivo and in vitro assays.

### Carcinogenicity

EPA: Not Listed ACGIH: Not Listed IARC: Group 2A1 NTP: Not Listed OSHA: Not Listed

1 Carcinogenicity: Not carcinogenic in rats or mice. Listed as Category 2A by the International Agency for Research on Cancer (IARC) but, in the expert opinion of the Joint Glyphosate Task Force, this classification as a carcinogen is not warranted.

### Reproductive toxicity

Not known to cause reproductive or birth defects at normal exposure levels.

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## SECTION 12: Ecological information

### Toxicity

This product is toxic to plants. Drift and run-off may be hazardous to plants in water adjacent to treated areas. The following information is for the active ingredient, Glyphosate acid:

#### AQUATIC TOXICITY

Rainbow Trout (96-hr LC50): 786 mg/L Bluegill (96-hr LC50): 120 mg/L Diatoms (96-hr EC50): 1.3 mg/L  
Duckweed (14-day EC50): 25.5 mg/L AVIAN TOXICITY

Mallard Duck (Oral LD50): > 4,500 mg/kg Bobwhite Quail (Oral 8-day): > 4,500 mg/kg

The following information is for the active ingredient, Imazapyr:

#### AQUATIC TOXICITY

Rainbow Trout (96-hr LC50): > 100 mg/L Bluegill (96-hr LC50): > 100 g/L Diatoms (96-hr EC50): 1.3 mg/L  
AVIAN TOXICITY

Mallard Duck (Oral LD50): > 2,150 mg/kg Bobwhite Quail (Oral 8-day): > 2,150 mg/kg

Green Algae (7-day EC50): 71 mg/L

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## SECTION 13: Disposal considerations

### Disposal of the product

Do not contaminate water, food or feed by disposal.

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### Disposal of contaminated packaging

Nonrefillable container, do not reuse or refill this container. Refer to product label for specific container disposal instructions.

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## SECTION 14: Transport information

### DOT (US)

Not regulated by DOT.

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### IMDG

IMO - UN3082 Environmentally Hazardous Substance, Liquid, N.O.S. (contains Glyphosate, Imazapyr), 9, PG III, Marine Pollutant

### IATA

UN3082 Environmentally Hazardous Substance, Liquid, N.O.S. (contains Glyphosate, Imazapyr), 9, PG III

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## SECTION 15: Regulatory information

### Chemical Safety Assessment

IFRA –

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label: **PRECAUTIONARY**

#### STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER.** Corrosive. Causes irreversible eye damage. Harmful if swallowed. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin.

See label booklet for additional Precautionary Statements and Directions for Use including Storage and Disposal Instructions.

#### ENVIRONMENTAL HAZARDS

This product is toxic to plants. Drift and run-off may be hazardous to plants in water adjacent to treated areas. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. See Directs for Use for additional precautions and requirements.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

#### SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

#### SARA Title III – Section 311/312 Hazard Categories

Immediate (Acute)

#### SARA Title III – Section 312 Threshold Planning Quantity

N/A

#### SARA Title III – Section 313 Reportable Ingredients

None

#### CERCLA Reportable Quantity (RQ) –

None

#### CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the state of California to cause cancer or reproductive harm.

#### CANADA –

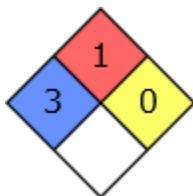
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

### HMIS Rating

Hi-Yield® KILLZALL 365	
<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	

**Safety Data Sheet**  
**Hi-Yield® KILLZALL 365**

**NFPA Rating**



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**SECTION 16: Other information**

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-accepted label.

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