



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield® Range and Pasture Triclopyr +D

SECTION 1: Identification

Product identifier

Product name Hi-Yield® Range and Pasture Triclopyr +D

Other means of identification

EPA# 81927-29-7401

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



Signal word

Warning

Hazard statement(s)

H317 May cause an allergic skin reaction
H320 Causes eye irritation
H303 May be harmful if swallowed
H402 Harmful to aquatic life

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Other hazards which do not result in classification

SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Component	Concentration
Triclopyr, butoxyethyl ester (CAS no.: 64700-56-7)	10 - 20 %
2,4-D butoxyethyl ester (CAS no.: 1929-73-3)	30 - 40 %
Kerosine (petroleum) (CAS no.: 8008-20-6)	25 - 50 %

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.
If inhaled	NOTE TO PHYSICIAN: This product may pose an aspiration pneumonia hazard. Contains petroleum distillates.
In case of skin contact	Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.
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. 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.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Foam, CO₂, dry chemical, or water spray.

Specific hazards arising from the chemical

May thermally decompose in fire releasing irritating and toxic fumes including hydrogen chloride, oxides of nitrogen, chlorinated pyridine and phosgene.

Special protective actions for fire-fighters

Firefighters should be equipped with self-contained positive pressure breathing apparatus and turnout gear. Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

SECTION 6: Accidental release measures

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Personal precautions, protective equipment and emergency procedures

Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

Methods and materials for containment and cleaning up

Small Spills: Absorb using sand, vermiculite or other inert absorbent. Place contained material in appropriate container for disposal.

Large Spills: Dike spillage and recover and retain as much free liquid as possible for reuse. Pick up remainder with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. After removal, thoroughly clean contaminated area with water. Collect wash water for approved disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Do not get in eyes, on skin, or on clothing. Wear appropriate personal protective clothing and equipment as specified in Section 8 below). Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Conditions for safe storage, including any incompatibilities

Keep out of reach of children and animals. Keep in the original container in a cool (above 10°F), dry, well-ventilated place. Protect containers from physical damage and contamination.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

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

Pesticide Applicators and Workers: Refer to the product label attached to the product.

Personal Protective Equipment (PPE): Handlers must wear protective eyewear, long-sleeved shirt, long pants, shoes plus socks and chemical resistant gloves. When mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate, wear chemical-resistant apron in addition to other required PPE. Remove clothing / PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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. After each day of use, clothing or PPE must not be reused until it has been cleaned.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Clear brown liquid
Odor	Paint-like
pH	3.5 – 4.0
Flash point	> 60°C (142°F)
Upper/lower flammability limits	Not determined
Upper/lower explosive limits	Not determined
Vapor pressure	0.1 mm # 37°C (kerosene)
Solubility(ies)	Emulsifies

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Other safety information

Specific Gravity: 0.988 g/ml @ 20°C (8.3 lbs/gal)

SECTION 10: Stability and reactivity

Chemical stability

Stable under normal use and storage conditions. May decompose if heated.

Possibility of hazardous reactions

This product is chemically stable and no hazardous reactions should occur if stored and handled as prescribed / indicated.

Conditions to avoid

Temperatures above 40°C (105°F) and below 6°C (40°F).

Incompatible materials

Strong acids and oxidizing materials.

Hazardous decomposition products

Thermal decomposition may create hydrogen chloride, oxides of nitrogen and phosgene.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

ORAL TOXICITY (rat LD50): > 2,000 mg/kg
DERMAL TOXICITY (rat LD50): > 5,000 mg/kg
INHALATION TOXICITY (rat LC50): No data available

Skin corrosion/irritation

SKIN IRRITATION: Rabbit – Slightly irritating

Serious eye damage/irritation

Rabbit – Moderately irritating

Respiratory or skin sensitization

SKIN SENSITIZATION: Potential skin sensitizer after repeated exposure to concentrate.
Rabbit – Slightly irritating

Germ cell mutagenicity

Little evidence of mutagenic effects during in vivo or in vitro studies.

Reproductive toxicity

No evidence in animal studies.

Additional information

EPA: Not Listed
ACGIH: Not Listed
NTP: Not Listed
IARC: Class 2B (chlorophenoxy herbicides)
OSHA: Not Listed

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SECTION 12: Ecological information

Toxicity

This product may be toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as directed on label.

Persistence and degradability

2,4-D has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

Mobility in soil

Triclopyr has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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 and may contaminate groundwater. If these wastes cannot be disposed of by 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.

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

SECTION 14: Transport information

DOT (US)

Containers < 34 Gallons:

Not regulated by DOT.

Containers > 34 Gallons and < 119 Gallons Net Content:

DOT Shipping Name: UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Contains 2,4-D BEE), 9, PG III

DOT Emergency Response Guide: 171

Containers > 119 Gallons Net Content:

DOT Shipping Name: NA1993, Combustible Liquid, N.O.S. (Contains kerosene), 3, PG III

DOT Emergency Response Guide: 128

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Marine Pollutant: Yes

SECTION 15: Regulatory information

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

Massachusetts Right To Know Components

Chemical name: 2,4-D butoxyethyl ester

CAS number: 1929-73-3

New Jersey Right To Know Components

Common name: 2,4-D BUTOXYETHYL ESTER

CAS number: 1929-73-3

Pennsylvania Right To Know Components

Chemical name: Acetic acid, (2,4-dichlorophenoxy)-, 2-butoxyethyl ester

CAS number: 1929-73-3

New Jersey Right To Know Components

Common name: KEROSENE

CAS number: 8008-20-6

Pennsylvania Right To Know Components

Chemical name: Kerosine (petroleum)

CAS number: 8008-20-6

Chemical Safety Assessment

FIFRA –

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

CAUTION! Harmful if swallowed. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals.

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

ENVIRONMENTAL HAZARDS

This product may be toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as directed on label.

2,4-D has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

Triclopyr has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Mixing and Loading: Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed

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systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

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, Delayed, Fire

SARA Title III – Section 312 Threshold Planning Quantity

N/A

SARA Title III – Section 313 Reportable Ingredients

2,4-D BEE (CAS #1929-73-3): 34.4%

CERCLA –

2,4-D BEE (CAS #1929-73-3): RQ 100 lbs. (approximately 50 gallons of product)

CALIFORNIA PROP 65 STATUS –

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

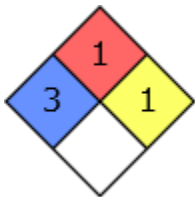
CANADA –

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® Range and Pasture Triclopyr +D	
HEALTH	3
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	

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.

Further information/disclaimer

Voluntary Purchasing Groups, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.