



MATERIAL SAFETY DATA SHEET



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AllPro BK32 Brush Killer
EPA REG. NUMBER: 228-186-769
PRODUCT NUMBER: 332502

MANUFACTURER: Value Garden Supply
ADDRESS: P.O. Box 585, St. Joseph, MO 64502

MANUFACTURER PHONE: (888) 603-1008
MANUFACTURER FAX PHONE: (952) 884-6149
EMERGENCY PHONE: (800) 858-7378

PRODUCT USE: A potent woody plant herbicide for controlling mixed brush.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS*:</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>OSHA TWA</u>	<u>OSHA STEL</u>	<u>ACGIH TWA</u>	<u>ACGIH STEL</u>
Isocetyl (2-ethyl exyl) Ester of 2,4-dichlorophenoxyacetic acid Isocetyl (2-ethyl exyl) Ester of 2-(2-methyl-4-dichlorophenoxy)	1928-43-4	16.05	10 mg/m ³	NE	10 mg/m ³	NE
propionic acid	28631-35-8	16.1	NE	NE	NE	NE
kerosene	8008-20-6	NE	NE	NE	NE	NE

* All ingredients in quantities > 1.0 % (0.1 % for carcinogens or teratogens) that are **potentially** hazardous per OSHA definitions

N/A = not applicable NE = not established

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Potential Health Effects

POTENTIAL HEALTH EFFECTS: This material may be slightly irritating to the eyes and moderately irritating to the skin. Personnel responding to a spill of this material should wear protective clothing to avoid prolonged skin contact.

CARCINOGENICITY: IARC lists as Group 2B (agent is possibly carcinogenic to humans) None listed per OSHA, or NTP.

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes. Seek medical attention.

SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

INGESTION: If swallowed, promptly drink large amounts of water. DO NOT INDUCE VOMITING. Never give liquids to an unconscious person. Get medical attention.

INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: No specific antidote exists. Monitor for seizures, gastrointestinal irritation, possible liver, kidney, or muscle damage, arrhythmias, acidosis, dyspnea, headache, coma, hyperthermia, and hypotension. Range of Toxicity: fatalities seen after ingestion of 80 mg/kg.



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SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABILITY CLASSIFICATION: NE

FLASH POINT: 160°F

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Use carbon dioxide, dry chemical, foam or water.

SPECIAL FIRE FIGHTING PROCEDURES: Use NIOSH/MSHA approved SCBA and bunker gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May produce hydrogen chloride, carbon monoxide, and phosgene.

NFPA HAZARD CLASSIFICATION:	<u>HEALTH</u> 2	<u>FIRE</u> 2	<u>REACTIVITY</u> 1	<u>SPECIFIC</u> N/A
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NFPA HAZARD RATING CODES:	<u>INSIGNIFICANT</u> 0	<u>SLIGHT</u> 1	<u>MODERATE</u> 2	<u>HIGH</u> 3	<u>EXTREME</u> 4
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SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all ignition sources. Pick up liquid with Oil Dry, cat litter, clay, rags or other absorbent and place in a disposable container.

CONTAINMENT: Dispose of in accordance with instructions in Section 13.

REGULATORY REQUIREMENTS: N/A

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in well-closed, upright containers in a cool, dry, well-ventilated area out of reach of children. Do not contaminate water, food or feed by storage or disposal. Do not reuse container. Avoid breathing vapor or spray mist. Avoid contact with skin or clothing. Remove pets, and cover fish aquariums before spraying.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: In typical applications no engineering controls should be needed.

VENTILATION: If industrial hygiene surveys show that occupational exposure limits may be exceeded, use NIOSH approved respirator with organic vapor/dust/mist cartridges, or mechanical ventilation.

RESPIRATORY PROTECTION: Use NIOSH approved respirator

EYE PROTECTION: Goggles or faceshield recommended

SKIN PROTECTION: Protective gloves recommended; applicators should wear long pants and long-sleeved shirt

WORK HYGIENIC PRACTICES: General

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Amber liquid

VAPOR PRESSURE (mmHg): N/A

ODOR: Slight amine odor

VAPOR DENSITY (AIR =): N/A

PHYSICAL STATE: Liquid

SPECIFIC GRAVITY: .910

BOILING POINT: 350°F

DENSITY: N/A



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MELTING POINT: N/A

PARTICAL SIZE: N/A

FREEZING POINT: N/A

AUTO IGNITION: NE

WATER SOLUBILITY: Emulsifies

OTHER SOLUBILITIES: N/A

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY (MATERIAL TO AVOID): Excessive heat, avoid contamination with aqueous mineral acids and oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL EFFECTS: Rat, Oral, LD₅₀ =>3,390 mg/kg Rat, Oral, Kerosene, LD₅₀ = 17,600 mg/kg

ACUTE DERMAL EFFECTS: Rabbit, Dermal, LD₅₀ = >2,000 mg/kg Rabbit, Inhalation, LC₅₀ = >3,700 mg/m³

CARCINOGENICITY: IARC lists as Group 2B (agent is possibly carcinogenic to humans) None listed per OSHA, or NTP.

NOTE TO CONSUMERS: Information provided in this section is oriented to medical and public health professionals involved in the assessment and treatment of excessive and/or accidental exposures. Not a contact sensitizer, although may cause dermatitis.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: May be hazardous to aquatic invertebrates. Do not apply directly to water; do not contaminate water by drift, runoff, or cleaning of equipment or disposal of washwaters.

ENVIRONMENTAL FATE: 2,4-D: Typical half-lives of 10 to >50 days, BCF value of 7

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This material (as packaged) is considered a hazardous waste (EPA D016, U240). Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from federal regulations. This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

SECTION 14: TRANSPORT INFORMATION

***DOT HAZARD DESCRIPTION:** Not Regulated.

(*) U.S Department of Transportation

SECTION 15: REGULATORY INFORMATION

CERCLA RQ: 2,4-D: 100 lbs.

SARA TPQ: 2,4-D: 10,000 lbs.



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INDIVIDUAL STATES: States such as Pennsylvania, New Jersey, California, Vermont, Massachusetts and Rhode Island may all have components of this product listed; consult specific state regulatory requirements for additional information.

SECTION 16: OTHER INFORMATION

This information is provided in good faith, but without express or implied warranty. For additional information, refer to the American Conference of Governmental Industrial Hygienists (ACGIH) documentation of TLV's (Threshold Limit Values) for individual components and the DOT Emergency Response Guidebook.