



# MATERIAL SAFETY DATA SHEET



## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Gardener's Choice Crabgrass Killer Conc.  
**EPA REG. NUMBER:** 2217-630-192  
**PRODUCT NUMBER:** 90476

**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:** Provides selective weed control in established Bluegrass and Bermuda lawns.

## 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>
monosodium acid-methanearsonic acid	2163-80-6	16.6	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 moderately irritating to the skin, eyes and respiratory tract. Personnel responding to a spill of this material should wear appropriate protective equipment.

**CARCINOGENICITY:** None listed per OSHA, NTP, or IARC

## SECTION 4: FIRST AID MEASURES

**IF IN EYES:** 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. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call 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

**IF INHALED:** Move Person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

## SECTION 5: FIRE-FIGHTING MEASURES

**FLASH POINT:** N/A

**AUTOIGNITION TEMPERATURE:** N/A

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, dry chemical, foam, water

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

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** HCl, organochlorides, nitrogen oxides, and carbon monoxide. May produce trace amounts of arsine gas.



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

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Liquid spills should be absorbed with absorbent material, containerized and disposed of appropriately (see comments in Section 13). Scrub floor with a detergent solution.

## SECTION 7: HANDLING AND STORAGE

Store away from heat, out of reach of children. Do not contaminate water, food or feed by storage or disposal. Do not freeze. Do not reuse container. Avoid excessive temperatures and direct sunlight.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

**VENTILATION:** General

**RESPIRATORY PROTECTION:** if industrial hygiene surveys show that occupational exposure limits may be exceeded, use NIOSH approved respirator with dust/mist cartridges

**EYE PROTECTION:** Recommended to avoid splashing of material directly into eyes

**SKIN PROTECTION:** Protective gloves recommended

**WORK HYGIENIC PRACTICES:** General

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Light yellow

**VAPOR PRESSURE (mmHg):** NE

**ODOR:** Mild

**VAPOR DENSITY (AIR = )::** NE

**PHYSICAL STATE:** Liquid

**SPECIFIC GRAVITY:** 1.147

**BOILING POINT:** 100°C.

**% VOLATILE BY VOLUME:** 86%

**MELTING POINT:** N/A

**pH:** 5.0 - 7.0

**FREEZING POINT:** NE

**AUTO IGNITION:** N/A

**WATER SOLUBILITY:** miscible

**OTHER SOLUBILITIES:** NE

## SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** Stable

**INCOMPATIBILITY (MATERIAL TO AVOID):** Avoid contact with acids and metals such as zinc, aluminum, copper and tin. In the presence of these metals, arsenic can combine with available hydrogen to form arsine gas, which is colorless and highly poisonous, with a mild pungent, sour order.

**HAZARDOUS POLYMERIZATION:** Will not occur

## SECTION 11: TOXICOLOGICAL INFORMATION

**ACUTE ORAL EFFECTS:** Rat Oral LD<sub>50</sub> = 900 mg/kg

**ACUTE DERMAL EFFECTS:** Rabbit Dermal LD<sub>50</sub> = >2,000 mg/kg



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**CARCINOGENICITY:** None listed per OSHA, NTP, or IARC

**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. Effects of overexposure may include irritation of eyes, nasal passages, throat and skin, a salty taste, pungent, sour-like breath, burning throat, headache, dizziness, stupor, vomiting, diarrhea, intestinal pains. In severe poisoning cases, convulsions, paralysis and death.

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## SECTION 12: ECOLOGICAL INFORMATION

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

**ENVIRONMENTAL FATE:** NE

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## SECTION 13: DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHOD:** This material (as packaged) is considered a hazardous waste (EPA D004). 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.

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## SECTION 14: TRANSPORT INFORMATION

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**\*DOT HAZARD DESCRIPTION:** N/A

(\*) U.S Department of Transportation

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## SECTION 15: REGULATORY INFORMATION

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**U.S. FEDERAL REGULATIONS:** N/A

**EPA REGULATIONS:** N/A

**SARA TPQ:** N/A

**OSHA REGULATIONS:** N/A

**CERCLA:** N/A

**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.

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## SECTION 16: OTHER INFORMATION

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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.