

Safety Data Sheet

Section 1 – Product Identification

Product Name:	Total Vegetation Control	EPA Registration #:	81927-23-53883
Manufacturer:	Control Solutions Inc. 5903 Genoa- Red Bluff Pasadena, TX 77507 281-892-2500	EPA Establishment #:	53883-TX-002
Recommended Usage:	Apply only as directed by product label.		
Restrictions:	Refer to product label for usage restrictions.		

Section 2 – Hazard Identification

Health:	Harmful if swallowed or absorbed through skin. May cause burns/blisters to the mouth, throat and digestive track.
Environmental:	This product is an herbicide. Do not apply to non-target vegetation.
Physical:	Harmful if swallowed. Contains petroleum distillates.
Unclassified:	None.
GHS Classification:	<ul style="list-style-type: none"> • Eye irritation: Category 2B (mild). • Aspiration toxicity: Category 1 (known).

Section 3 – Chemical Composition

Material	CAS #	% by Weight	OSHA PEL
Imazapyr	81510-83-0	27.8%	None Established
Inert Ingredients	-	72.2%	None Established

Section 4 – First Aid

Eye Contact:	Flush eyes with water for 15 minutes. Seek medical attention if irritation persists.
Inhalation:	Move person to fresh air. If person is not breathing, give artificial respiration. Call a poison control center for further treatment advice.
Ingestion:	Call poison control center immediately for treatment advice. Do not induce vomiting unless directed to do so by a poison control center. Do not give anything by mouth to an unconscious person.
Dermal Contact:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center for treatment advice if irritation persists.
Physician's Information:	Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally.
Notes:	You may also contact SafetyCall® International (866) 897-8050 for emergency medical treatment information. Refer to Section 11 for symptoms of overexposure.

Section 5 – Firefighting Measures

Flash Point:	237°F
Extinguishing Media:	Water fog, CO ₂ , foam, dry chemical.
Procedures:	Use self-contained breathing apparatus. Cool fire exposed areas and equipment.
Unusual Fire Hazards:	Chemical fires have potential to emit hazardous decomposition products. Refer to Section 10 for more information.

Section 6 – Accidental Release Measures

Absorbent Materials:	Oil-only absorbent pads, vermiculite, absorbent booms, or clay granules.
Containment:	Do not discharge into municipal wastewater or public storm drains. Eliminate runoff as much as possible.
Waste Disposal:	Sweep contaminated absorbent material into suitable container. Seal container and dispose of all contaminated waste material in municipal land-fill or through licensed TSD. Open dumping is prohibited. Not an RCRA hazardous waste.
Reporting:	Report all major spills and uncontrolled releases to proper local, state, and federal agencies.
Emergency Contact #:	Chemtrec: 1-800-424-9300

Section 7 – Handling and Storage Instructions

Storage Conditions:	Store upright at room temperature. Avoid exposure to extreme temperatures. Do not store near heat or open flame. Store away from foodstuffs, feed, and children.
Special Handling Considerations:	Avoid dermal contact. Take precautions to avoid damaging containers. Avoid cross contamination. Always wash hands thoroughly after handling pesticides and before eating, drinking, or smoking. Clean water should be available to rinse eyes and skin in case of chemical exposure.

Section 8 – Engineering Controls and Protective Equipment

Engineering Controls:	Use only in adequately ventilated areas.
Eye Protection:	ANSI approved chemical goggles or safety glasses with side shields are recommended.
Respiratory Protection:	None required. NIOSH or MSHA approved air-purifying respirator with combination OVAG-P100 cartridges may be necessary if large amounts mist is generated.
Dermal Protection:	Chemical-resistant gloves, long sleeves, pants and shoes.
Other Precautions:	Wash thoroughly after handling. Remove and wash clothing before reuse.

Section 9 – Physical and Chemical Properties

Odor:	Ammonia.	Melting Point:	Not determined.
Physical State:	Viscous liquid.	Flash Point:	237°F.
Color:	Blue.	Specific Gravity:	1.06 (g/ml)
Bulk Density:	See specific gravity.	pH:	6-7
Vapor Pressure:	Not determined.	Water Solubility:	Soluble.
Viscosity:	Not determined.	Refractive Index:	Not determined.

Section 10 – Stability and Reactivity

Flash Point:	237°F
Lower Flammability Limit:	Not determined.
Upper Flammability Limit:	Not determined.
Hazardous Polymerization:	Will not occur.
Decomposition Products:	May release irritating and toxic gases due to thermal decomposition. Products of combustion include cyanide, CO, and CO ₂ .
Conditions to Avoid:	Stable under normal storage conditions. Avoid exposure to extreme temperatures.
Incompatible Materials:	Strong oxidizers.

Section 11 – Toxicity and Symptoms of Overexposure

Routes of Exposure:	Dermal, eye, inhalation, ingestion.
Skin Contact:	Minimal irritation.
Eye Contact:	Moderate irritation.
Ingestion:	Ingestion may induce neurotoxic symptoms including diarrhea, salivation, tremors, convulsions, hyperactivity and hypersensitivity to touch or sound.
Inhalation:	Inhalation may cause nasal and respiratory irritation.
Oral LD ₅₀ :	>500 mg/kg
Dermal LD ₅₀ :	>1000 mg/kg
Inhalation LC ₅₀ :	>3.5 mg/L
Carcinogenicity:	Not a carcinogen.
Teratogenicity:	Not a teratogen.
Embryo toxicity:	None.
Reproductive Effects:	None.
Mutagenicity:	None.
Other Chronic Effects:	None.

Section 12 – Ecological Data*

Aquatic: (Imazapyr)	Low aquatic toxicity.
Avian: (Imazapyr)	Low avian toxicity.
Bioaccumulation:	Imazapyr is unlikely to bioaccumulate.
Summary:	Do not apply directly to water, or to areas where surface water is present. Do not contaminate water when disposing of equipment wash waters or rinsate. Do not apply to non-target vegetation.

Section 13 – Disposal Considerations*

Pesticide Disposal:	Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. 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.
Container Disposal:	If empty - Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. If partly filled: Call your local solid waste agency for disposal instructions. Unless otherwise instructed, place in trash. Never pour unused product down the drain or on the ground.

Section 14 – Transportation*

DOT:	Not regulated.
IATA:	Not regulated.
IMDG:	Not regulated.

Section 15 – Regulatory*

Section 302/TPQ: (emergency planning)	Not regulated under section 302.
Section 304/EHS RQ: (release notification)	Not regulated under section 304.
CERCLA RQ: (release notification)	Not regulated under CERCLA.
Section 311/Tier II: (MSDS submission)	Acute health hazard.
Section 313/TRI Chemicals:	Contains no TRI chemicals.
RCRA Haz-Waste Code(s):	Not an RCRA hazardous waste.
CAA TQ: (air emissions)	Not regulated under the CAA.
EPA/FIFRA Toxicity :	III

Section 15 – Regulatory* (Continued from page 4)

EPA Signal Word: CAUTION
State Specific Regulations: Not determined
International Regulations: Not determined

Section 16 – Other

HMIS/NFPA Classification: Fire - 1 Health - 1
Reactivity - 0 Special - none

Date of Last Revision: August 19, 2011

Hazcom Training Yes.

Necessary:

NFPA and HMIS ratings assigned to this product are based on the hazards of its ingredient (s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS.

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*Section is not required by 29 CFR 1910.1200 the Hazcom standard, but is provided for compliance with United Nations Globally Harmonized System (GHS).