



SAFETY DATA SHEET

Martin's Nutgrass Eliminator

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Revision Date: June 27, 2018

SECTION 1: IDENTIFICATION

Product Name: Martin's Nutgrass Eliminator
EPA Registration No.: 91234-69-53883
Recommended Use: Herbicide; See product label for a complete list of uses and use sites.
Restrictions on Use: See product label for any restrictions on the use of this product.
Chemical Family: Sulfonylurea
Chemical Name of Active Ingredient(s): Halosulfuron-methyl
Manufactured for: Control Solutions, Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507

FOR FIRE, SPILL, AND/OR LEAK EMERGENCIES CONTACT: CHEMTREC 1-800-424-9300

FOR MEDICAL EMERGENCIES AND HEALTH AND SAFETY INQUIRIES CONTACT: Safety Call 1-866-897-8050

SECTION 2: HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW: Light tan colored granules with no odor. Causes eye irritation.

OSHA HCS CLASSIFICATION (29 CFR 1910.1200)

| | |
|-----------------------|-------------|
| Eye Damage/Irritation | Category 2B |
|-----------------------|-------------|

Signal Word: WARNING
Hazard Statement(s): Causes eye irritation
Precautionary Statement(s):

Prevention: Wash hands thoroughly after handling.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation persists: Get medical advice/attention.

Storage: No statement required. See section 7 for storage information.

Disposal: No statement required. See section 13 for disposal information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS Number | Weight % |
|---------------------|-------------|----------|
| Halosulfuron-methyl | 100784-20-1 | 5.0% |

*Ingredients not listed or listed with a weight % range are considered a trade secret and are withheld under 29 CFR 1910.1200(i).

| SECTION 4: FIRST AID MEASURES | |
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| IF IN EYES: | Hold eye open and rinse slowly and gently with water for 15 to 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 ON SKIN: | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice. |
| IF INHALED: | Move person to fresh air. If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. |
| IF INGESTED: | 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person. |

Most important symptoms/effects, acute and delayed: Mild and temporary eye irritation.

Note to Physician: There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

SECTION 5: FIRE-FIGHTING MEASURES

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| Suitable Extinguishing Media: | Foam, dry chemical, carbon dioxide or water spray |
| Unsuitable Extinguishing Media: | Water jet |
| Hazardous Combustion Products: | Thermal decomposition may produce toxic carbon and nitrogen oxides. |
| Special Protective Equipment & Precautions: | Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Foam and/or dry chemical are preferred to minimize environmental contamination. If water is used, dike and collect water to prevent run-off. Wear self-contained breathing apparatus and full fire-fighting turn-out gear (Bunker gear). |
| Unusual Fire & Explosion Hazards: | None known |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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| Personal Precautions: | See Section 8 for personal protection equipment. |
| Environmental Precautions: | Keep spilled material and any rinsate from contaminating soil or from entering sewage and drainage systems and bodies of water. |
| Methods for Containment: | Isolate the spill area. Keep unnecessary and unprotected personnel from entering. Dike large spills using impervious material such as clay or sand. Recover and contain as much product as possible for reuse according to label directions. |
| Methods for Clean-up: | Place contaminated material in appropriate container for disposal. Avoid dust generation. After removal, flush contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container. Do not put spilled material back in the original container. |
| Other Information: | None known |

SECTION 7: HANDLING AND STORAGE

Handling: RECOMMENDATIONS ARE INTENDED FOR MANUFACTURING, PACKAGING AND COMMERCIAL BLENDING WORKERS. PESTICIDE APPLICATORS AND WORKERS must refer to the product label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Handle and open container in a manner as to prevent spillage. Do not eat, drink or smoke while handling this product. Avoid dust generation.

Storage: See pesticide label for full information on product storage. Do not contaminate water, food or feed by storage of this product. Store away from sources of heat, out of direct sunlight and away from incompatible materials. Pesticides should be stored in secured areas away from children and animals.

Storage Temperature (Min/Max): Store at temperatures below 120°F.

Product Incompatibilities: Oxidizing and reducing agents

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Users of a pesticide product must refer to the product label for personal protective equipment requirements.

Exposure Guidelines:

| COMPONENT | OSHA PEL | ACGIH TLV | NIOSH REL |
|-------------|----------|-----------|-----------|
| None listed | | | |

Engineering Controls: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.

Respiratory Protection: In areas of poor ventilation, use a NIOSH approved respirator with cartridges/canisters approved for pesticides.

Eye Protection: Chemical goggles or safety glasses.

Protective Gloves: Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile, neoprene rubber, polyvinyl chloride (PVC) or Viton.

Other Protective Clothing: Long-sleeved shirt, long pants and shoes plus socks.

General Safety Measures: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately after handling this product. Wash outside of gloves before removing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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|---------------------------------|--------------------|---|------------------------|
| Appearance: | Light tan granules | Upper/Lower Flammability Limits: | Not determined |
| Odor: | Odorless | Vapor Pressure: | Not determined |
| Odor Threshold: | Not determined | Vapor Density: | Not determined |
| pH (1% dispersion): | 6.5 – 8.5 | Bulk Density: | 56 lbs/ft ³ |
| Melting /Freezing Point: | Not determined | Solubility (water): | Dispersible |
| Boiling Point/Range: | Not determined | Partition Coefficient: | Not determined |
| Flash Point: | Not applicable | Auto-ignition Temperature: | Not determined |
| Evaporation Rate: | Not determined | Decomposition Temperature: | Not determined |
| Flammability: | Not determined | Viscosity: | Not applicable |

SECTION 10: STABILITY AND REACTIVITY

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| Reactivity: | No hazardous reaction potential known. |
| Chemical Stability: | Stable under normal storage and handling conditions. |
| Possibility of Hazardous Reactions: | No potential for hazardous reactions known. |
| Conditions to Avoid: | Dust generation |
| Incompatible Materials: | Oxidizing and reducing agents |
| Hazardous Decomposition Products: | Thermal decomposition may produce toxic carbon and nitrogen oxides. |

SECTION 11: TOXICOLOGICAL INFORMATION

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| Likely Routes of Exposure: | Eye contact, Skin contact, Inhalation, Ingestion |
| Symptoms of Exposure: | Mild eye irritation. |
| Oral LD₅₀: | >5,000 mg/kg (Based upon similar formulation) |
| Dermal LD₅₀: | >5,000 mg/kg (Based upon similar formulation) |
| Inhalation LC₅₀: | >2.05 mg/L (4-hour)(Based upon similar formulation) |
| Eye Irritation/Damage: | Moderately irritating (Based upon similar formulation) |
| Skin Corrosion/Irritation: | Non-irritating (Based upon similar formulation) |
| Skin Sensitization: | Non-sensitizer (Based upon similar formulation) |
| Chronic/Subchronic Toxicity: | No data available |
| Mutagenicity: | No data available |
| Reproductive Toxicity: | No data available |
| Neurotoxicity: | No data available |
| Target Organs: | No data available |
| Aspiration Hazard: | Based upon physical state, product is not likely to cause aspiration hazard. |
| Carcinogenicity: | |

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---------------|-------|------|-----|------|
| None listed | | | | |

SECTION 12: ECOLOGICAL INFORMATION

Environmental Hazards Statement from FIFRA Regulated Pesticide Label:

This product is toxic to non-target vascular plants. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Halosulfuron-methyl is known to leach through soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of halosulfuron-methyl from runoff water and sediment. Runoff of this product will be greatly reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

ECOTOXICITY DATA:

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| | The following data is provided on the technical halosulfuron-methyl |
| Fish Toxicity: | Rainbow trout – 96 hr LC ₅₀ > 131 mg/L |
| Aquatic Invertebrate Toxicity: | <i>Daphnia magna</i> – 48 hr EC ₅₀ > 107 mg/L |
| Aquatic Plant Toxicity: | No data available |
| Avian Toxicity: | No data available |
| Honeybee Toxicity: | No data available |

ENVIRONMENTAL EFFECTS:

| | |
|---------------------------------------|-------------------|
| Persistence and Degradability: | No data available |
| Bioaccumulation: | No data available |
| Mobility: | No data available |
| Other Adverse Effects: | No data available |

SECTION 13: DISPOSAL CONSIDERATIONS

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| Waste Disposal: | Refer to the pesticide label for full information on disposal. Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used 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 in proper disposal methods. |
| Container Disposal: | Refer to the pesticide label for full information on disposal. When possible, triple rinse the container and offer for recycling if available. |
| RCRA Characteristics: | It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste. |

SECTION 14: TRANSPORTATION INFORMATION

DOT (Ground): Not regulated

IMDG (Sea): UN3077, Environmentally hazardous substance, solid, n.o.s. (Halosulfuron-methyl), 9, PGIII, Marine Pollutant¹

IATA (Air): UN3077, Environmentally hazardous substance, solid, n.o.s. (Halosulfuron-methyl), 9, PGIII, Marine Pollutant¹

¹Not regulated when shipped in single or inner packaging of ≤ 11 lbs. (5 kg)

SECTION 15: REGULATORY INFORMATION

Labeling Requirements Under 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. Following is the hazard information as required on the pesticide label:

CAUTION
Causes moderate eye irritation. Avoid contact with eyes or clothing.

TSCA Inventory: This product is exempt from TSCA inventory listing requirements as it is solely for FIFRA regulated use.

SARA Title III Information:

Section 302 – Extremely hazardous substances: None

Section 311/312 – Hazard Categories: Acute (Immediate)

Section 313 – This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | CAS Number | Weight % |
|---------------|------------|----------|
| None listed | | |

CERCLA – This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

| Chemical Name | CAS Number | RQ | Quantity of Finished Product |
|---------------|------------|----|------------------------------|
| None listed | | | |

CALIFORNIA PROPOSITION 65:

| Chemical Name | CAS Number | Prop 65 Category(ies) |
|---------------|------------|-----------------------|
| None listed | | |

U.S. STATE RIGHT-TO-KNOW REGULATIONS:

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|----------------|------------|---------------|--------------|
| Not determined | | | X |

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| SECTION 16: OTHER INFORMATION |
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|-------------|-------------------------|-----------------------|----------------------|-------------------------------|
| NFPA | Health Hazards 1 | Flammability 1 | Instability 0 | Special Hazards – None |
|-------------|-------------------------|-----------------------|----------------------|-------------------------------|

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