



SPRAKIL S-5

Brush Control Granules

EMERGENCY TELEPHONE:
CHEMTREC 1-800-424-9300
GENERAL INFORMATION
SSI MAXIM 1-800-347-4781

SDS

MATERIAL SAFETY DATA SHEET

Distributed by
Rainbow Technology Corp.
Tel: 1.800.637.6047 / 205.733.0333
RTC Products #4033

MANUFACTURED BY:
SSI MAXIM OF TENNESSEE LLC
P.O. Box 1433 • Springfield, TN 37172
1-800-346-4781

SECTION 1 - Chemical Product and Company Identification

TRADE NAME: SPRAKIL S-5 BRUSH CONTROL GRANULES

EPA REG. NO. 103184-2

COMPANY INFORMATION: SSI MAXIM OF TENNESSEE LLC
P.O. Box 1433 • Springfield, TN 37172

SYNONYMS: Tebuthiuron: N-(5-(1, 1-dimethylethyl)-1, 3, 4-thiadiazol-2-yl)-N, N'-dimethylurea

CHEMICAL FAMILY: Tebuthiuron: Substituted Urea

MOLECULAR FORMULA: Tebuthiuron: C₉H₁₆N₄O₃S

MOLECULAR WEIGHT: Tebuthiuron: 228.300

USAGE: Herbicide

SECTION 2 - Composition/Information on Ingredients

Component	Cas. No.	%	PEL/TLV
Tebuthiuron: N-(5-(1, 1-dimethylethyl)-1, 3, 4-thiadiazol-2-yl)-N, N'-dimethylurea	34014-18-1	5.00	None Established
(INERT) Calcitic limestone (carrier)		93.50	None Established
(INERT) ChemPro S-109 (binder)		1.50	None Established

SECTION 3 - Hazards Identification

EMERGENCY OVERVIEW: CAUTION
Keep out of reach of children. Avoid contact with eyes, skin, or clothing.

SYMPTOMS OF ACUTE EXPOSURE: Causes moderate eye irritation. Harmful if absorbed through the skin or swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen and sulfur may be formed if product is involved in fire.

APPEARANCE: Grayish white/light tan granules.

ODOR: Light musty smell.

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 eye.
- 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 a 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 a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

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SECTION 5 - Fire Fighting Measures

FLASH POINT:	Not Applicable
FLAMMABLE LIMITS (% BY VOL):	Not Applicable
AUTOIGNITION TEMP:	Not Applicable
DECOMPOSITION TEMP:	Unknown
FIRE EXTINGUISHING MEDIA:	Considered non-flammable, if necessary water, fog, foam, or CO ₂ .
FIRE CONTROL TACTICS:	Do not allow water run-off from fire site to enter nearby streams, ponds or lakes.
FIRE FIGHTING PROCEDURES:	Wear positive pressure, self-contained breathing apparatus and full protective clothing.

SECTION 6 - Accidental Release Measures

SPILL OR LEAK PROCEDURES:

Clean up promptly. Do not flush with water. Pick up dry by sweeping or other effective means. Return undamaged material to original container. Place damaged, unusable material in a landfill approved for pesticides in accordance with applicable regulations. If spill is near trees or other valuable plants, remove top two inches of soil after initial cleanup.

SECTION 7 - Handling and Storage

DO NOT contaminate water, food or feed by storage or disposal. Store product in original container only, away from other pesticides, fertilizer, food, or feed.

SECTION 8 - Exposure Controls / Personal Protective Equipment

EXPOSURE CONTROL METHODS:

Avoid contact with eyes, skin or clothing and use PPE as listed below.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

HAND PROTECTION:	Chemical resistant gloves made of any waterproof material
EYE PROTECTION:	Protective eyewear
BODY PROTECTION:	Long-sleeved shirt, long pants, and shoes plus socks

SECTION 9 - Physical and Chemical Properties

APPEARANCE AND ODOR:	Grayish white/light tan granules	OCTANOL /H₂O PARTITION COEF.:	Not Applicable
BOILING POINT:	Not Applicable	pH:	Neutral
MELTING POINT:	Not Applicable	SATURATION IN AIR (BY VOL.):	Not Applicable
VAPOR PRESSURE:	Tebuthiuron - 2 x 10 ⁻⁶ mm Hg at 25C	EVAPORATION RATE:	Not Applicable
DENSITY:	2.4582 g/mL	SPECIFIC GRAVITY:	1.33
% VOLATILITY (BY VOL.):	Not Applicable	SOLUBILITY IN WATER:	Tebuthiuron - 0.23g/100 ml at 25C

SECTION 10 - Stability and Reactivity

STABILITY:	Stable under normal storage conditions
CONDITIONS TO AVOID:	Extreme heat
POLYMERIZATION:	Not known to occur
INCOMPATIBLE MATERIALS:	None known
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of nitrogen and sulfur may be formed if product is involved in fire

SECTION 11- TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION STUDIES

INGESTION:	40% Tebuthiuron: LD (Rat) >1000 mg/kg
DERMAL:	40% Tebuthiuron: LD ₅₀ (Rabbit) >2,000 mg/kg
INHALATION:	40% Tebuthiuron: Not considered to be an inhalation hazard
EYE CONTACT:	40% Tebuthiuron: Irritant (Rabbit)

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SECTION 11- Toxicological Information (Cont.)

SKIN CONTACT: 40% Tebuthiuron: Slight Irritant (Rabbit)

SKIN SENSITIZATION: Technical Tebuthiuron: Not sensitizing

SYSTEMIC EFFECTS (Information on the active ingredients)

TEBUTHIURON: Effects have been reported in the following organs: blood, kidney and pancreas

REPRODUCTIVE/DEVELOPMENTAL EFFECTS (Information on the active ingredient)

TEBUTHIURON: Tebuthiuron does not appear to cause any adverse developmental or reproductive effects based on rat and rabbit studies.

CARCINOGENICITY (Information on the active ingredient)

TEBUTHIURON: Tebuthiuron is not classifiable as to human carcinogenicity.

GENETIC TOXICITY INFORMATION (Information on the active ingredient)

TEBUTHIURON:: Tebuthiuron is not mutagenic.

SECTION 12 - Ecological Information (Information on the active ingredient)

TEBUTHIURON::	Acute toxicity to fish:	Rainbow trout LC ₅₀ (96hour) = 143mg/L
	Acute toxicity to aquatic invertebrates:	<i>Daphnia magna</i> LC ₅₀ = 297 ppm
	Toxicity to aquatic plants:	Green algae EC ₅₀ = 0.05 ppb
	Other terrestrial non-mammals:	Mallard duck LD ₅₀ >2000 mg/kg Honey bee LD ₅₀ > 100µg/bee

SECTION 13 - Disposal Considerations

WASTE DISPOSAL: DO NOT contaminate water, food or feed by storage or disposal.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

Plastic Container: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer container for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Plastic Bag: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer bag for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SECTION 14 - Transportation Information

Reference Bill of Lading

SECTION 15 - Regulatory Information

SARA TITLE III DATA:

Section 311 and 312 Hazard Categories

Immediate Health Hazard: Yes

Reactive Hazard: No

Delayed Health Hazard: Yes

Sudden Pressure Hazard: No

Fire Hazard: No

SECTION 302: Extremely Hazardous Substances No

SECTION 313: Toxic Chemicals Tebuthiuron CAS No. 34014-18-1 Concentration 5%

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SECTION 15 - Regulatory Information (Cont.)

CERCLA Reportable Quantity: Sprakil-5- Not Reportable
Tebuthiruron - Not Reportable

RCRA Hazardous Waste Code(s) and Statement(s) None

SECTION 16 - Other Information

NFPA Ratings: Health: 3 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

APPENDIX

All information contained herein is offered in good faith and with the belief that it is accurate. As of date of issuance or revision, we are providing all information that we have or are aware of relevant to the foreseeable use or handling of the material. However, in the event of an adverse incident associated with this material, this Material Safety Data Sheet is not, and is not intended to be, a substitute for consultation with appropriately trained personnel.



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