

SSI MAXIM

SPRAKIL S-5 BRUSH CONTROL GRANULES

SAFETY DATA SHEET (SDS)

EMERGENCY TELEPHONE: Chemtrec 1-800-424-9300

GENERAL INFORMATION: SSI MAXIM 1-800-346-4781

SDS NO. 34913-10

ORIGINAL DATE: April 1998

REVISION DATE: May 2018

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME:	SPRAKIL S-5 BRUSH CONTROL GRANULES
EPA REG. NO.	34913-10
COMPANY INFORMATION:	SSI MAXIM CO., INC. P.O. Box 1954 • Kilgore, TX 75663
SYNONYMS:	Tebuthiuron: N-(5-(1, 1-dimethylethyl)-1, 3, 4-thiadiazol-2-yl)-N, N'dimethylurea
CHEMICAL FAMILY:	Tebuthiuron: Substituted Urea
MOLECULAR FORMULA:	Tebuthiuron: C ₉ H ₁₆ N ₄ O ₅
MOLECULAR WEIGHT:	Tebuthiuron: 228.300
USAGE:	Herbicide

SECTION 2 - HAZARD IDENTIFICATION

CLASSIFICATION:	Carcinogen - Category 1A; Specific Target Organ Toxicity Repeat Exposure - Category 1
SIGNAL WORD:	Danger
PICTOGRAM(S):	
HAZARD STATEMENT(S):	May cause cancer by inhalation. Causes damage to lungs through prolonged or repeated inhalation exposure.
PRECAUTIONARY STATEMENT(S):	PREVENTION: <ul style="list-style-type: none">• Obtain special instructions before use.• Do not handle until all safety precautions have been read and understood.• Wear protective gloves/protective clothing/eye protection/face protection.• Do not breathe dust.• Wash thoroughly after handling.• Do not eat, drink, or smoke when using this product. RESPONSE: <ul style="list-style-type: none">• If exposed or concerned: Get medical advice/attention. STORAGE: <ul style="list-style-type: none">• Store locked up. DISPOSAL: <ul style="list-style-type: none">• Dispose of contents/container in accordance with local/regional/national/international regulations.
HAZARDS NOT OTHERWISE CLASSIFIED:	None Known

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT:	CAS. NO.	CONCENTRATION
Tebuthiuron: N-(5-(1, 1-dimethylethyl)-1, 3, 4-thiadiazol-2-yl)-N, N'dimethylurea	34014-18-1	5.00
Crystalline silica	14808-60-7	< 2

SECTION 4 - FIRST AID MEASURES

IF IN EYES:	<ul style="list-style-type: none">• 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:	<ul style="list-style-type: none">• 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:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have a person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by poison control center or doctor.• Do not give anything by mouth to an unconscious person.
MEDICAL CONDITION AGGRAVATED BY OVEREXPOSURE:	This product contains crystalline silica, which is classified by IARC (Group I) as carcinogenic to humans when inhaled. Inhalation of silica can cause a chronic lung disorder, silicosis.

SECTION 5 - FIRE FIGHTING MEASURES

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 EQUIPMENT:	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

OCCUPATIONAL EXPOSURE LIMITS:	OSHA	ACGIH
Particles not otherwise specified	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)
Crystalline Silica	0.05 mg/m ³ (respirable dust)	0.025 mg/m ³

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:	Grayish white/light tan granules
ODOR:	Light musty smell
ODOR THRESHOLD:	
FLASH POINT:	
BOILING POINT:	Not Applicable
MELTING POINT:	Not Applicable
VAPOR PRESSURE:	2 x 10 ⁻⁶ mm Hg at 25° C
DENSITY:	2.4582 g/mL
% VOLATILITY (BY VOL.):	Not Applicable
OCTANOL /H₂O PARTITION COEF.:	Not Applicable
pH:	Neutral
SATURATION IN AIR (BY VOL.):	Not Applicable
EVAPORATION RATE:	Not Applicable
FLAMMABILITY (SOLID GAS):	Not Known
UPPER/LOWER FLAMMABILITY LIMITS:	Not Known
VAPOR DENSITY:	Not Applicable
AUTO-IGNITION TEMPERATURE:	Not Applicable
DECOMPOSITION TEMPERATURE:	Not Applicable
SOLUBILITY IN WATER:	23 g/100 ml at 25° C
SPECIFIC GRAVITY:	1.33

SECTION 10 - STABILITY AND REACTIVITY

STABILITY:	Stable under normal storage conditions.
CONDITIONS TO AVOID:	Extreme heat
POSSIBILITY OF HAZARDOUS REACTIONS:	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 II - TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION STUDIES Inhalation and dermal

ACUTE TOXICITY/IRRITATION STUDIES

INGESTION: LD₅₀ > 5,000 mg/kg (Rat)

DERMAL: LD₅₀ > 8,000 mg/kg (Rabbit)

INHALATION: Not considered to be an inhalation hazard

EYE CONTACT: Irritant (Rabbit)

SKIN CONTACT: Slight irritant (Rabbit)

SKIN SENSITIZATION: Not sensitizing

TARGET ORGAN TOXICITY:

Tebuthiuron in repeat dose oral exposures in rats at high concentrations (above 100 mg/kg/day) was noted as causing vacuolization of the acinar cells. This route of exposure is not anticipated with normal use of the product.

REPRODUCTIVE/DEVELOPMENTAL EFFECTS (Information on the active ingredients)

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

CARCINOGENICITY (Information on the active ingredients)

CRYSTALLINE SILICA: Classified by IARC (Group I) carcinogenetic to humans when inhaled.

TEBUTHIURON: Tebuthiuron is not classified as a human carcinogen.

GENETIC TOXICITY INFORMATION (Information on the active ingredients)

TEBUTHIURON: Tebuthiuron is not mutagenic.

SECTION 12 - ECOLOGICAL INFORMATION (Information on the active ingredients)

ENVIRONMENTAL DATA: Do not apply this herbicide near desirable trees or other woody species. Exposure of even a small part of a plant root system to this product may cause severe plant injury or death. 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 by cleaning equipment, disposing of equipment washwaters, or disposing of wastes.

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 ¼ 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

Not regulated for all modes of transport

Compounds, Tree or Weed Killing, NMFC155050 SUB 12

Class 60

N.M.F.C. 53020-02

SECTION 15 - REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION

Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause an allergic reaction in some individuals.

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 5.00%

CERCLA Reportable Quantity: Sprakil S5 – Not Reportable
Tebuthiuron – Not Reportable

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

California Proposition 65: This product contains a chemical known to the state of California to cause cancer and/or reproductive toxicity.

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

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

SECTION 16 - OTHER INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: Classified as hazardous in accordance with the OSHA Hazard Communications Standard (29 C.F.R. 1910.1200).

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 Safety Data Sheet is not, and is not intended to be, a substitute for consultation with appropriately trained personnel.