

# MATERIAL SAFETY DATA SHEET

**SWEEP™**

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## 1. IDENTIFICATION

Product name: **SWEEP™**  
 Chemical name of active ingredient(s): Bromacil: (5-bromo-3-sec-butyl-6-methyluracil)  
 Diuron: (3-(3,4-dichlorophenyl)-1,1-dimethylurea)  
 Manufacturer/Registrant: Makhteshim Agan of North America, Inc.  
 4515 Falls of Neuse Road, Suite 300  
 Raleigh, NC 27609  
 Phone: 919-256-9300  
 For fire, spill, and/or leak emergencies, contact Infotrac: Phone: 1-800-535-5053  
 For medical emergencies and health and safety inquiries, contact Prosar: Phone: 1-877-250-9291

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NO.	%	OSHA PEL	ACGIH TLV	OTHER	NTP/IARC/OSHA (Carcinogen)
Bromacil	314-40-9	40	NA	10 mg/m <sup>3</sup> (TWA)	NA	NA
Diuron	330-54-1	40	NA	10 mg/m <sup>3</sup> (TWA)	NA	NA

## 3. HAZARDS IDENTIFICATIONS

### PHYSICAL PROPERTIES:

Appearance: Brown granular

Odor: Faint odor

**EMERGENCY OVERVIEW:** CAUTION Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

**PRIMARY ROUTES OF ENTRY:** Ingestion, skin/eye contact, inhalation.

**UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS:** May be ignited by heat or open flame. This material may form explosive mixtures in air.

## 4. FIRST AID

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<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact PROSAR at 1-877-250-9291 for emergency medical treatment information.	

## 5. FIRE FIGHTING MEASURES

**FLASHPOINT:** Not applicable

**FLAMMABLE LIMITS (% in air):** Not determined

**AUTOIGNITION TEMPERATURE:** Not determined

**UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS:** May be ignited by heat or open flame. This material may form explosive mixtures in air.

**EXTINGUISHING MEDIA:** Water Spray, Foam, Dry Chemical, CO<sub>2</sub>.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus. Wear full protective equipment. Use water spray. Runoff from fire control may be a pollution hazard. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the contamination hazard.

## 6. ACCIDENTAL RELEASE MEASURES

**IN CASE OF SPILLS OR LEAKS:** Shovel or sweep up. Never return to container for reuse. Scoop into bags or boxes with plastic or aluminum shovel. For minor spills, leaks, etc., follow all precautions indicated on the product label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. If spill area is on ground near valuable plants or trees, remove top 2 inches of soil after initial clean up.

## 7. HANDLING AND STORAGE

Do not contaminate water, food, or feed by storage or disposal.

**PRECAUTIONS TO BE TAKEN IN HANDLING:** Avoid contact with skin and eyes. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling. Do not contaminate water, food or feed by storage, disposal or by cleaning equipment.

**PESTICIDE STORAGE:** Store product in original container only. Store in a cool, dry place.

**STORAGE TEMPERATURE (MIN/MAX):** Normal ambient temperatures. Avoid excessive heat.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.**

**FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.**

**EYE PROTECTION:** Protective eyewear (e.g., goggles or full-face shield).

**SKIN PROTECTION:** Long-sleeved shirt and long pants, shoes plus socks. Use apron and coveralls when necessary or when mixing, loading or cleaning equipment, or for spill cleanup.

**HAND PROTECTION:** Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.

**RESPIRATOR REQUIREMENTS:** Use a NIOSH-approved dust/mist respirator with any N, R, P, or HE filter or with approval number prefix TC-21C.

**ADDITIONAL PROTECTIVE MEASURES:** Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### USER SAFETY RECOMMENDATIONS:

Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**EXPOSURE GUIDELINES:** Refer to Section 2.

**ENGINEERING CONTROLS:** Provide general and/or local ventilation to control airborne levels below the exposure guidelines.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Brown granular

**ODOR:** Faint odor

**FLASH POINT:** Not applicable

**pH:** 7.61

**BULK DENSITY:** 0.565 g/ml (Pour); 0.614 g/ml (Tap)

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Avoid heat or open flame.

**MATERIALS TO AVOID:** Not compatible with potassium permanganate.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY/IRRITATION STUDIES

Acute Oral LD50 (Rat):	2,300 mg/kg
Acute Dermal LD50 (Rabbit):	>2,000 mg/kg
Acute Inhalation LC50 (Rat):	> 5.2 mg/L(4-hr.)
Eye Irritation (Rabbit):	Moderately irritating.
Dermal Irritation (Rabbit):	Slightly irritating.
Dermal Sensitization:	Not a skin sensitizer

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL HAZARDS:** For terrestrial uses, do not apply directly to water, or 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. Bromacil is known to leach through soil and has been found in ground water as a result of normal field use. Users are advised not to apply in areas where soils are permeable, particularly where ground water is used for drinking water. Consult with the pesticide state lead agency for information regarding soil permeability and aquifer vulnerability in your area.

## 13. DISPOSAL CONSIDERATIONS

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

**CONTAINER DISPOSAL:** Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations.

## 14. TRANSPORT INFORMATION

### DOT CLASSIFICATION:

**Package size <250 lbs.:** Not regulated

**Package size ≥250 lbs.:** UN 3077, Environmentally hazardous substances, solid, N.O.S. (Diuron), 9, PGIII, RQ

**BULK Packages >882 lbs.:** UN 3077, Environmentally hazardous substances, solid, N.O.S. (Diuron), 9, PGIII, RQ, Marine Pollutant (Bromoxynil)

### INTERNATIONAL TRANSPORTATION:

**IMO (vessel):** UN 3077, Environmentally hazardous substances, solid, N.O.S. (Diuron), 9, PG III, Marine Pollutant

**NOTE:** Articles and combination packages with inner packages which do not exceed 5 kg (11 lbs) may be shipped as a Limited Quantity. (No label, marine pollutant marking, proper shipping name or UN# is required if the Limited Quantity mark is applied.)

**IATA (air):** UN 3077, Environmentally hazardous substances, solid, N.O.S. (Diuron), 9, PG III, Marine Pollutant

**15. REGULATORY INFORMATION****SARA TITLE III CLASSIFICATION:**

Section 302: Not applicable.  
Section 311/312: Acute health hazard (immediate)  
Chronic health hazard (delayed)  
Section 313: Diuron (40%) CAS#: 330-54-1

**CA PROPOSITION 65:** This product contains a material (diuron) known to the State of California to cause cancer.

**CERCLA RQ:** Diuron 100 lbs. (250 lbs. of product)

**RCRA CLASSIFICATION:** Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

**TSCA STATUS:** The ingredients of this product are listed on the TSCA inventory or are exempt.

**16. OTHER INFORMATION**

HAZARD RATINGS	NFPA	HMIS	
HEALTH:	1	1	0 LEAST
FLAMMABILITY:	1	1	1 SLIGHT
REACTIVITY:	0	0	2 MODERATE
			3 HIGH
			4 SEVERE

**MSDS DATE:** 2-23-11. Supersedes versions dated 7-3-08 and 8-26-08. Change made to Section 14.

The information herein is given in good faith, but no warrant, express or implied, is made. Consult Makhteshim Agan of North America, Inc. for further information.