

# SSI MAXIM WEED BLAST 4-G WEED KILLER SAFETY DATA SHEET (SDS)

EMERGENCY TELEPHONE: Chemtrec 1-800-424-9300

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

SDS NO. 34913-19

ORIGINAL DATE: May 1998

REVISION DATE: May 2015

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME:	WEED BLAST 4-G WEED KILLER
EPA REG. NO.	34913-19
COMPANY INFORMATION:	SSI MAXIM CO., INC. P.O. Box 1954 • Kilgore, TX 75663
SYNONYMS:	Diuron: 3-[3, 4-Dichlorophenyl]-1, 1-dimethylurea Bromacil: 5-Bromo-3-sec-butyl-6-methyluracil
CHEMICAL FAMILY:	Bromacil: Uracil Diuron: Dimethylurea
MOLECULAR FORMULA:	Bromacil: $C_9H_{13}BrN_2N_2O_2$ Diuron: $C_9H_{10}C_{12}N_2O_2$
MOLECULAR WEIGHT:	Bromacil: 261.1 Diuron: 233.1
USAGE:	Herbicide

## SECTION 2 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:	CAUTION Keep out of reach of children. Avoid contact with eyes, skin, or clothing.
SYMPTOMS OF ACUTE EXPOSURE:	Harmful if swallowed. Harmful if absorbed through the skin. Causes moderate eye irritation.
HAZARDOUS DECOMPOSITION PRODUCTS:	Toxic oxides of nitrogen, and carbon.
APPEARANCE:	Grayish white/light tan granules.
ODOR:	Faint sweet smell.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS. NO.	%	PEL/TLV	REFERENCE
Bromacil	314-40-9	2.00	None Established/ 10mg/m <sup>3</sup> (8 hr)	OSHA Guideline for Bromacil/ACGIH
Diuron	330-54-1	2.00	None Established/ 10mg/m <sup>3</sup> (8 hr)	OSHA Guideline for Diuron/ACGIH

## SECTION 4 - FIRST AID MEASURES

IF IN EYES:	<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>
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"><li>• Take off contaminated clothing. Wash contaminated clothing before reuse.</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>
IF INHALED:	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or ambulance then give artificial respiration, preferable mouth to mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
IF SWALLOWED:	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Do not induce vomiting unless told to do so by poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>

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## SECTION 5 - FIRE FIGHTING MEASURES

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<b>FLASH POINT:</b>	Not Applicable
<b>FLAMMABLE LIMITS (% BY VOL):</b>	Not Applicable
<b>AUTOIGNITION TEMP:</b>	Not Applicable
<b>DECOMPOSITION TEMP:</b>	Unknown
<b>FIRE EXTINGUISHING MEDIA:</b>	Considered non-flammable. Dry chemical, CO <sub>2</sub> , foam or water spray.
<b>FIRE CONTROL TACTICS:</b>	Wear self-contained breathing apparatus. Wear full protective equipment. Use water spray. If area is heavily exposed to fire and if conditions permit let fire burn itself out since water may increase contamination hazard. Do not allow water run-off from fire site to enter nearby streams, ponds or lakes.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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### SPILL OR LEAK PROCEDURES:

Review FIRE CONTROL TACTICS and HANDLING AND STORAGE sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Clean up promptly. Do not flush with water. Pick up dry by sweeping, shoveling or other effective means. Never return to container for reuse. Scoop into bags or boxes with plastic or aluminum shovel.

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.

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## SECTION 7 - HANDLING AND STORAGE

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Avoid breathing vapors or mist. Avoid breathing dust. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Wash clothing after use. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

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.

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## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTIVE EQUIPMENT

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### EXPOSURE CONTROL METHODS:

Chemical goggles or some other form of eye protection should be worn to prevent exposure to the eyes. Wear rubber gloves when handling this material. An apron or impermeable covering should also be worn to prevent contact with the skin.

Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

For end-users, please refer to the product label for personal protective clothing/equipment.

### PERSONAL PROTECTIVE EQUIPMENT (PPE):

**RESPIRATORY PROTECTION:** Applicators using tractor drawn spreaders and all loaders must wear a NIOSH-approved particulate filtering respirator equipped with N, R, or P class filter media. The respirator should have a NIOSH approval number prefix TC-84A. It is recommended that you require the respirator wearer to be fit tested, and trained in the use, maintenance, and limitations of the respirator.

**HAND PROTECTION:** Chemical resistant gloves made of any waterproof material such as polyethylene or polyvinylchloride for all mixers and loaders plus applicators using handheld equipment.

**EYE PROTECTION:** Chemical goggles or some other form of eye protection.

**BODY PROTECTION:** Long-sleeved shirt, long pants, and shoes plus socks.

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Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Users/Handlers must wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Users/Handlers must remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users/ Handlers must 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.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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<b>APPEARANCE:</b>	Grayish white/light tan granules
<b>ODOR:</b>	Faint sweet smell
<b>BOILING POINT:</b>	Not Applicable
<b>MELTING POINT:</b>	Not Applicable
<b>VAPOR PRESSURE:</b>	Negligible
<b>DENSITY:</b>	1.59 g/mL
<b>% VOLATILITY (BY VOL.):</b>	Not Applicable

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## continued SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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OCTANOL /H <sub>2</sub> O PARTITION COEF.:	Not Applicable
pH:	8.83 as a 5% w/v aqueous dispersion
SATURATION IN AIR (BY VOL.):	Not Applicable
EVAPORATION RATE:	Not Applicable
SOLUBILITY IN WATER:	Bromacil: 815 ppm at 25° C Diuron: 42 ppm at 25° C
SPECIFIC GRAVITY:	1.55

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## SECTION 10 - STABILITY AND REACTIVITY

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STABILITY:	Stable at normal temperatures and storage conditions
CONDITIONS TO AVOID:	Extreme temperatures
POLYMERIZATION:	Will not occur
INCOMPATIBLE MATERIALS:	None reasonably foreseeable
HAZARDOUS DECOMPOSITION PRODUCTS:	Toxic oxides of nitrogen and carbon

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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### ACUTE TOXICITY/IRRITATION STUDIES

INGESTION:	10,000 mg/kg (Rat)
DERMAL:	> 2,000 mg/kg
INHALATION:	Not Established
EYE CONTACT:	Mildly irritating (Rabbits)
SKIN CONTACT:	Not irritating
SKIN SENSITIZATION:	Slight sensitizer

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### REPRODUCTIVE/DEVELOPMENTAL EFFECTS (Information on the active ingredients)

BROMACIL:	Bromacil is not considered to be a developmental toxicant and there were no effects on maternal reproductive parameters or reproductive performance.
DIURON:	Tests in some animals indicate that the compound may have embryotoxic activity. Animal testing indicates that this compound does not have reproductive effects.

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### CARCINOGENICITY (Information on the active ingredients)

BROMACIL:	Bromacil is classified as a possible human carcinogen.
DIURON:	Diuron is classified as a "known/likely" human carcinogen.

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### GENETIC TOXICITY INFORMATION (Information on the active ingredients)

BROMACIL:	Bromacil is not considered to be mutagenic.
DIURON:	Diuron was not mutagenic in bacteria or in cultured mammalian cells.

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

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For terrestrial use, do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approval waste disposal facility. Do not flush to surface water or sanitary sewer system.

### CONTAINER HANDLING:

**BAG:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Offer 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.

**PAIL OR JUG:** Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Then offer for recycling or 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.

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## SECTION 14 - TRANSPORTATION INFORMATION

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Compounds, Tree or Weed Killing, NMFC155050 SUB 12  
Class 60  
N.M.F.C. 53020-02

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## SECTION 15 - REGULATORY INFORMATION

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### 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  
Bromacil CAS No. 314-40-9 Concentration 2.00%  
Diuron CAS No. 330-54-1 Concentration 2.00%

CERCLA Reportable Quantity: Weed Blast 4G – 5,000 lbs.  
Diuron – 100 lbs.  
Bromacil - Not reportable

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

California Proposition 65: This product contains diuron, a chemical known to the state of California to cause cancer.

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

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

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## SECTION 16 - OTHER INFORMATION

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**OSHA HAZARD COMMUNICATION STANDARD:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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### 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.