

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 2018

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 ₉ H ₁₃ BrN ₂ N ₂ O ₂ Diuron: C ₉ H ₁₀ C ₁₂ N ₂ O ₂
MOLECULAR WEIGHT:	Bromacil: 261.1 Diuron: 233.1
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
Bromacil	314-40-9	2.00
Diuron	330-54-1	2.00
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. Wash contaminated clothing before reuse.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.

continued SECTION 4 - FIRST AID MEASURES

IF INHALED:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or ambulance then give artificial respiration, preferable mouth to mouth if possible.• Call a poison control center or doctor for further 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 1) 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. Dry chemical, CO ₂ , foam or water spray.
FIRE CONTROL TACTICS:	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.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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.

SECTION 7 - HANDLING AND STORAGE

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.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTIVE EQUIPMENT

OCCUPATIONAL EXPOSURE LIMITS:	OSHA	ACGIH
Diuron: (3-(3, 4-dichlorophenyl)-1, 1-dimethylurea (330-54-1)	10 mg/m ³	10 mg/m ³
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:

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 polyvinyl chloride 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.

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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Grayish white/light tan granules
ODOR:	Faint sweet smell
ODOR THRESHOLD:	Not Known
FLASH POINT:	Not Applicable
BOILING POINT:	Not Applicable
MELTING POINT:	Not Applicable
VAPOR PRESSURE:	Negligible
BULK DENSITY:	1.59 g/mL
% VOLATILITY (BY VOL.):	Not Applicable
OCTANOL /H2O 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
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	Not Applicable
AUTO-IGNITION TEMPERATURE:	Not Applicable
DECOMPOSITION TEMPERATURE:	Not Known
FLAMMABILITY (solid, gas):	Not Applicable
VISCOSITY:	Not Applicable
SOLUBILITY IN WATER:	Bromacil: 815 ppm at 25° C Diuron: 42 ppm at 25° C
SPECIFIC GRAVITY:	1.55

SECTION 10 - STABILITY AND REACTIVITY

STABILITY:	Stable at normal temperatures and storage conditions
CONDITIONS TO AVOID:	Extreme temperatures
REACTIVITY:	Stable under normal storage conditions.
INCOMPATIBLE MATERIALS:	None reasonably foreseeable
HAZARDOUS DECOMPOSITION PRODUCTS:	Toxic oxides of nitrogen and carbon

SECTION 11 - TOXICOLOGICAL INFORMATION

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

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.

CARCINOGENICITY (Information on the active ingredients)

CRYSTALLINE SILICA:	Classified by IARC (Group I) carcinogenetic to humans when inhaled.
BROMACIL:	Bromacil is classified as a possible human carcinogen.
DIURON:	Diuron is classified as a "known/likely" human carcinogen.

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.

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

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.

SECTION 13 - DISPOSAL CONSIDERATIONS

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.

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 law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including for use.

CAUTION

Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust.

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 Diuron	CAS No. 314-40-9 CAS No. 330-54-1	Concentration 2.00% 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 a chemical known to the state of California to cause cancer 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.