

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 04/16/1996

MSDS No: 6027


Brush-B-Gon Poison Ivy, Poison Oak & Brush Killer2

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:Brush-B-Gon Poison Ivy, Poison Oak &Brush Killer2

PRODUCT DESCRIPTION:Herbicide

MANUFACTURER

The SOLARIS Group

of Monsanto Company

P.O. Box 5008

San Ramon, CA 94583-0808

EPA REG. NO.:239-2587A **PN:**5609-B

24 HR. EMERGENCY TELEPHONE NUMBERS

Emergency Phone 800-454-2333

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS Registry #</u>
Triclopyr, Triclopyr (3,5,6-trichloro-2-pyridinyl-oxyacetic acid), Triethylamine Salt	0.7	57213-69-1
INERT INGREDIENTS	~ 99.3	

"Inert Ingredients" is a term defined by the U.S. Environmental Protection Agency under the Federal Insecticide, Fungicide, and Rodenticide Act (40 CFR 158.153). It refers to any substance, other than an active ingredient, which is intentionally added to a pesticide product. Some inert ingredients may be hazardous chemicals, as defined by the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). The hazards associated with these inert ingredients have been included in this document.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear brown liquid

IMMEDIATE CONCERNS:- HARMFUL IF SWALLOWED

- AVOID CONTACT WITH EYES
- AVOID BREATHING VAPOR OR SPRAY MIST
- KEEP OUT OF REACH OF CHILDREN

POTENTIAL HEALTH EFFECTS

EYES: The eye irritation potential of this substance has not been determined. However, based on data from similar materials, it may produce slight eye irritation, e.g. discomfort, redness, swelling and blurred vision.

SKIN: This substance is not expected to cause prolonged or significant skin irritation. The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if it gets on the skin.

INGESTION: The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if swallowed.

INHALATION: The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if inhaled. Breathing the spray mist may be irritating to the respiratory tract. Respiratory tract irritation may include one or more of the following: nasal discharge, sore throat, coughing, bronchitis and difficulty breathing.

SENSITIZATION: This product contains trace quantities of methylisothiazolinone

and methylchloroisothiazolinone as preservatives. At higher concentrations these preservatives have been shown to cause allergic skin reactions in susceptible individuals. These preservatives are also found in a number of widely used personal care products, such as shampoos and cosmetics.

4. FIRST AID MEASURES

EYES: Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. Call a physician if irritation persists.

SKIN: No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.

INGESTION: If swallowed induce vomiting by administering syrup of ipecac. IF POSSIBLE, CONTACT A PHYSICIAN, POISON CONTROL CENTER, OR EMERGENCY CLINIC BEFORE INDUCING VOMITING. Do not induce vomiting or give anything by mouth to an unconscious person. If medical advice cannot be obtained, take person and product container to the nearest emergency treatment center.

INHALATION: If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues.

ADDITIONAL INFORMATION: In case of medical emergencies involving this product, call day or night, (800) 454-2333.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: >200°F TAG CC

AUTOIGNITION TEMPERATURE: No Data Available

EXTINGUISHING MEDIA: Alcohol Foam, CO₂, Dry Chemical, Water Fog

HAZARDOUS COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide and water vapor and may produce oxides of nitrogen. Combustion may produce

toxic compounds of chlorine.

FIRE FIGHTING PROCEDURES:Products of combustion from fires involving this material may be toxic. Avoid breathing smoke and mists. Avoid personnel and equipment contact with fallout and runoff. Minimize the amount of water used for fire fighting. Do not enter any enclosed area without full protective equipment, including self-contained breathing equipment. Keep containers cool with a water spray. Contain and isolate runoff and debris for proper disposal. Decontaminate personal protective equipment and fire fighting equipment before reuse. Read the entire document.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:Soak up spilled material with paper towels and discard in trash.

LARGE SPILL:Liquid spills on floor or other impervious surfaces should be contained or diked, and should be absorbed with attapulgate, bentonite or other absorbent clays. Collect contaminated absorbent, place in plastic-lined metal drum and dispose of in accordance with instructions provided under Section 13. "DISPOSAL". Thoroughly scrub floor or other impervious surface with a strong industrial type detergent solution and rinse with water.

For liquid spills that soak into the ground, contact the applicable Federal, State and or County Health Dept. for disposal recommendations. If disposal is required then refer to Section 13 "DISPOSAL" for instructions.

Leaking containers should be separated from non-leakers and either the container or its contents transferred to a drum or other non-leaking container and disposed of in accordance with instructions provided under Section 13 "Disposal". Any recovered spilled liquid should be similarly collected and disposed of.

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

GENERAL PROCEDURES:Observe all protection and safety precautions when cleaning up spills -- see Section 8. "EXPOSURE CONTROLS/PERSONAL PROTECTION". For help with any spill, leak, fire or exposure involving this material, call day or night (800) 454-2333.

7. HANDLING AND STORAGE

GENERAL PROCEDURES:Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a secure, preferably locked, storage area. Protect container from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:No special ventilation is required when this material is used according to the label directions.

PERSONAL PROTECTION

EYES AND FACE:For application of product in accordance with label instructions, no special eye protection is needed.

Handling of the product is not likely to present an eye exposure concern during normal handling. In the event of an accidental discharge of the material during manufacture or handling which could cause eye contact, workers should wear goggles or a face shield.

SKIN:No special skin protection is usually necessary. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing. Wash thoroughly with soap and water after handling.

RESPIRATORY:Handling of the product is not likely to present an airborne exposure concern during normal handling. In the event of an accidental discharge of the material during manufacture or handling which produces a heavy mist, workers should put on respiratory protection equipment. Consult respirator manufacturer to determine appropriate type of equipment. Observe respirator use limitations specified by NIOSH MSHA or the manufacturer.

For application of product in accordance with label instructions, no special respiratory protection is required.

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

EXPOSURE LIMITS

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
Triclopyr (3,5,6-trichloro-2-pyridinyl-oxyacetic acid), Triethylamine Salt	None	None	None
Legend MK	None	None	None

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:Liquid

APPEARANCE:Clear, brown liquid

pH:~8 to 9

PERCENT VOLATILE:No Data Available

BOILING POINT:Same as water.

FREEZING POINT:No Data Available

SOLUBILITY IN WATER:Miscible with water.

VISCOSITY:Same as water.

COMMENTS:

DENSITY:8.3 lb/gal

10. STABILITY AND REACTIVITY

STABLE:YES

HAZARDOUS POLYMERIZATION:NO

CONDITIONS TO AVOID:No data available.

HAZARDOUS DECOMPOSITION:Exposure to heat or flame may produce carbon monoxide, hydrogen chloride and nitrogen oxides.

INCOMPATIBLE MATERIALS:May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

11. TOXICOLOGICAL INFORMATION

GENERAL COMMENTS:This product contains triclopyr. Dietary administration of triclopyr to rats and mice for a lifetime did not increase the incidence of cancer in treated animals over that observed in untreated animals. The only significant findings were increased kidney weights and water consumption decreases in urine specific gravity and renal tubule changes. These effects are not expected to occur at anticipated exposure levels when this product is used according to label instructions.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA:No data available.

ECOTOXICOLOGICAL INFORMATION:This material may be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water.

13. DISPOSAL CONSIDERATIONS

FOR LARGE SPILLS:Material collected that cannot be reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, State or local procedures.

PRODUCT DISPOSAL:The Solaris Group is committed to responsible

environmental practices and recommends that all of the product be used up, carefully following all label directions and precautions.

If necessary to dispose of partially filled product container, then securely wrap it in several layers of newspaper and discard in trash.

EMPTY CONTAINER:Do not reuse empty bottle. Wrap and put in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME:Not Regulated

PRIMARY HAZARD CLASS/DIVISION:None

UN/NA NUMBER:NONE

PACKING GROUP:NO

U.S. SURFACE FREIGHT CLASS:Tree or weed killing compounds, NOI,
Density of 20 lbs. or greater per cu. ft.

AIR (ICAO/IATA)

PROPER SHIPPING NAME:Not Regulated

SPECIAL SHIPPING NOTES:The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA				
ACUTE:	CHRONIC:	FIRE:	REACTIVITY:	PRESSURE
YES	NO	NO	NO	GENERATING: NO

313 REPORTABLE INGREDIENTS: Triclopyr. (CAS 57213-69-1) De Minimis Concentration for Section 313 of EPCRA is 1.0%.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All non FIFRA regulated components are on the US EPA's TSCA Inventory List.

16. OTHER INFORMATION

HMIS CODES

FIRE:0 HEALTH:1 REACTIVITY:0 PROTECTION:-

NFPA CODES

FIRE:0 HEALTH:1 REACTIVITY:0 SPECIAL:-

APPROVAL DATE:04/26/1996

REVISION SUMMARYRevision #: 1

This MSDS replaces the September 11, 1995 MSDS. Any changes in information are as follows:

In Section 1

Date Prepared EPA Product Number

In Section 3

Sensitization

COMMENTS:For additional information concerning this product, call the SOLARIS Groups Consumer Helpline at 800-225-2883.

MANUFACTURER DISCLAIMER:This Material Safety Data Sheet (MSDS) contains health, safety and environmental information for you and your employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label. Information contained in this MSDS will help you to prepare for emergency response and to meet community right-to-know, emergency response and reporting requirements under SARA Title III and many other laws. Emergency response agencies and health care providers will also find this additional information useful.

Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved label copy. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Monsanto Company and The Solaris Group make no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determinations as to its suitability for their purposes prior to use. In no event will Monsanto Company or The Solaris Group be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.