

**Section 1. Product and company identification**

**Product Name:** Brush Killer  
**EPA Reg. No.:** 62719-226-829  
**Recommended Use:** Herbicide  
**Restrictions on Use:** See label directions  
**Company:** Southern Agricultural Insecticides, Inc  
P.O. Box 218  
Palmetto, FL 34220  
**Company Telephone/Fax:** (941) 722-3285/(941) 723-2974  
**Emergency Telephone Number:** (800) 424-9300 (CHEMTREC) (24 hour transportation spill response)  
National Pesticide Information Center: (800) 858-7378

This product is an EPA FIFRA registered pesticide. Some of the classifications on this SDS are not the same as the FIFRA label. Certain sections of this SDS are superseded by federal law governed by EPA for a registered pesticide. Please see Section 15: REGULATORY INFORMATION for explanation.

**Section 2. Hazards identification**

OSHA/HCS status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
Classification of the substance or mixture EYE DAMAGE/IRRITATION - Category 2B  
SKIN SENSITIZATION - Category 1

**GHS label elements****Hazard pictograms**

**Signal word** Warning  
**Hazard statements** Causes eye irritation.  
May cause an allergic skin reaction.

**Precautionary statements**

**General** Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.  
**Prevention** Wear protective gloves. Wear eye or face protection. Avoid breathing vapor. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.  
**Response** IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.  
**Storage** Not applicable.  
**Disposal** Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements** None known.  
**Hazards not otherwise classified** None known.

**Section 3. Composition/information on ingredients**

**Substance/mixture** Mixture  
**Chemical name** Not available.  
**Other means of identification** Not available.

<b>Ingredient name</b>	<b>%</b>	<b>CAS number</b>
[(3,5,6-trichloro-2-pyridyl)oxy]acetic acid, compound with triethylamine (1: 1)	8.8	57213-69-1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

#### **Section 4. First aid measures**

##### **Description of necessary first aid measures**

<b>Eye contact</b>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
<b>Skin contact</b>	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Ingestion</b>	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.

##### **Most important symptoms/effects, acute and delayed**

##### **Potential acute health effects**

<b>Eye contact</b>	Causes eye irritation.
<b>Inhalation</b>	No known significant effects or critical hazards.
<b>Skin contact</b>	May cause an allergic skin reaction.
<b>Ingestion</b>	May be irritating to mouth, throat and stomach.

##### **Over-exposure signs/symptoms**

<b>Eye contact</b>	Adverse symptoms may include the following: irritation watering redness
<b>Inhalation</b>	No specific data.
<b>Skin contact</b>	Adverse symptoms may include the following: irritation redness
<b>Ingestion</b>	No specific data.

##### **INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY**

<b>Notes to physician</b>	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	No specific treatment.

**Protection of first-aiders** No action shall be taken involving any personal risk or without suitable training. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	No specific data.
<b>Special protective actions for fire-fighters</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a II face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. A void breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
<b>Environmental precautions</b>	Avoid dispersal of spilled material and runoff a d contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

<b>Spill</b>	Stop leak if without risk. Move containers fro spill area. Approach release from upwind. Prevent entry into sewers water courses, basements or confined areas. Wash spillages in 0 an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
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## Section 7. Handling and storage

### Precautions for safe handling

<b>Protective measures</b>	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be
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employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**Section 8. Exposure controls/personal protection**

**Occupational exposure limits**

None.

**Appropriate engineering controls**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures**

**Hygiene measures**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection**

Protective eyewear is not required, but may be used in situations where contact is expected.

**Skin protection**

**Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection**

Wear long-sleeved shirt, long pants, shoes with socks., Remove and wash contaminated clothing before reuse.

**Other skin protection**

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

### Appearance

Physical state	liquid [Clear liquid] Clear
Color	None
Odor	None
Odor threshold	Not available.
pH	9.5
Melting point	Not available.
Boiling point	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower and upper explosive (flammable) limits	<b>Lower:</b> Not available. <b>Upper:</b> Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.02
Solubility	Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	<b>Dynamic:</b> Not available. <b>Kinematic:</b> Not available.

## Section 10. Stability and reactivity

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	No specific data.
Incompatible materials	No specific data.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
	LD50 Oral	Rat	> 5,000 mg/kg	-
	LC50 Inhalation	Rat	> 5 mg/l	4h
	LD50 Dermal	Rat	> 5,000 mg/kg	-

Conclusion/Summary No known significant effects or critical hazards.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
	Eyes - Redness of the conjunctivae	Rabbit	2.0	-	
	Skin - Erythema/Eschar	Rabbit	1.0	-	

**Conclusion/Summary**

<b>Skin</b>	May cause skin irritation.
<b>Eyes</b>	Causes eye irritation
<b>Respiratory</b>	No results available.

**Sensitizing**

<b>Product/ingredient name</b>	<b>Route of exposure</b>	<b>Species</b>	<b>Result</b>
	Skin	Guinea pig	Sensitizing

**Conclusion/Summary**

Skin	May cause skin sensitization.
Respiratory	No results available.

**Mutagenicity**

**Conclusion/Summary** No known significant effects or critical hazards.

**Carcinogenicity**

**Conclusion/Summary** No known significant effects or critical hazards.

**Reproductive toxicity**

**Conclusion/Summary** No known significant effects or critical hazards.

**Teratogenicity**

**Conclusion/Summary** No known significant effects or critical hazards.

**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Information on the likely routes of exposure** Not available

**Potential chronic health effects****Conclusion/Summary****General**

No known significant effects or critical hazards.  
Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity**

No known significant effects or critical hazards.

**Mutagenicity**

No known significant effects or critical hazards.

**Teratogenicity**

No known significant effects or critical hazards.

**Developmental effects**

No known significant effects or critical hazards.

**Fertility effects**

No known significant effects or critical hazards.

**Section 12. Ecological information****Toxicity**

**Conclusion/Summary** Not available.

**Persistence and degradability**

**Conclusion/Summary** No known significant effects or critical hazards.

**Mobility in soil**

**Soil/water partition coefficient (KOC)** Not available.

**Other adverse effects** No known significant effects or critical hazards.

**Section 13. Disposal considerations****Disposal methods**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Avoid disposal of spilled material and runoff and contact with soil, waterways, drains and sewers.

#### Section 14. Transport information

<b>Regulatory information</b>	<b>UN no.</b>	<b>Proper shipping name</b>
DOT		Not Regulated
IATA (C)		Not Regulated
IATA (P)		
IMDG		Not Regulated
TDG		Not Regulated

#### Section 15. Regulatory information

##### Precautionary statements

**Signal word** CAUTION

**Emergency Overview** Keep out of reach of children. Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. May cause skin sensitization. When using this product, wear long-sleeved shirt, long pants, socks, shoes, and rubber gloves

##### U.S. Federal regulations

United States inventory (TSCA 8b):  
All components are listed or exempted.

##### State regulations

**California Prop. 65**  
Not available.

##### International lists

###### **National inventory**

<b>Australia</b>	At least one component is not listed.
<b>Canada</b>	At least one component is not listed.
<b>China</b>	At least one component is not listed.
<b>Europe</b>	At least one component is not listed.
<b>Japan</b>	At least one component is not listed.
<b>Malaysia</b>	Not determined.
<b>New Zealand</b>	At least one component is not listed.
<b>Philippines</b>	At least one component is not listed.
<b>Republic of Korea</b>	At least one component is not listed.
<b>Taiwan</b>	Not determined.

#### Section 16. Other information

**National Fire Protection Association (U.S.A.):** Health - 2 Flammability - 0 Instability/Reactivity - 0

**Disclaimer:** Southern Agricultural Insecticides, Inc. recommends that each customer or recipient of this SDS study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific SDSs, we are not and cannot be responsible for SDSs obtained from any source other than ourselves. If you have obtained an SDS from another source or if you are not sure that the SDS you have is current, please contact us for the most current version.