

## Safety Data Sheet

# AMBRANDS

### Section 1: Identification

#### Product identifier

- Product Name** • Image Herbicide from Lilly Miller Brush & Vine Killer Concentrate
- Synonyms** • 0-70624-25024-2; 100099398; EPA Reg. No.: 802-594-73342
- Product Description** • Pale pinkish liquid.

#### Relevant identified uses of the substance or mixture and uses advised against

- Recommended use** • Non selective herbicide.
- Restrictions on use** • Avoid contact with eyes and skin. Keep out of the reach of children. Use in well ventilated area. Avoid release to the environment. Do not take internally.

#### Details of the supplier of the safety data sheet

- Manufacturer** • Ambrands  
1000 Parkwood Circle, Suite 700  
Atlanta, GA 30339  
United States  
  
www.imageforweeds.com

#### Emergency telephone number

- Manufacturer** • 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted
- Manufacturer** • 1-800-424-9300 - CHEMTREC
- Manufacturer** • 1-800-265-0761

### Section 2: Hazard Identification

#### United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

#### Classification of the substance or mixture

- OSHA HCS 2012** • Acute Toxicity Oral 4  
Skin Sensitization 1B  
Eye Irritation 2A

#### Label elements

OSHA HCS 2012

#### WARNING



- Hazard statements** • Harmful if swallowed  
 May cause an allergic skin reaction  
 Causes serious eye irritation

**Precautionary statements**

- Prevention** • Do not eat, drink or smoke when using this product.  
 Wash thoroughly after handling.  
 Avoid breathing dust, fume, gas, mist, vapors and/or spray.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Wear protective gloves/eye protection/face protection.
- Response** • IF SWALLOWED: Call poison control center or doctor if you feel unwell.  
 Rinse mouth.  
 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 advice/attention.  
 IF ON SKIN: Wash with plenty of soap and water.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 Wash contaminated clothing before reuse.

- Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Other hazards**

**OSHA HCS 2012**

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

**Section 3 - Composition/Information on Ingredients**

**Substances**

- Material does not meet the criteria of a substance.

**Mixtures**

Composition		
Chemical Name	Identifiers	%
Triclopyr	CAS:57213-69-1	8%
Triethylamine	CAS:121-44-8	0.936%
Other ingredients	NDA	91.064%

**Section 4: First-Aid Measures**

**Description of first aid measures**

**Inhalation**

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Skin**

- IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

**Eye**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion**

- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

- An allergic skin reaction may occur in individuals with a sensitivity to Triclopyr. Causes serious eye irritation. Harmful if swallowed. Refer to Section 11 - Toxicological Information.

### Indication of any immediate medical attention and special treatment needed

#### Notes to Physician

- Treat symptomatically and supportively.

## Section 5: Fire-Fighting Measures

### Extinguishing media

**Suitable Extinguishing Media** • Use water fog, foam, carbon dioxide, or dry chemical.

**Unsuitable Extinguishing Media** • No data available.

**Firefighting Procedures** • Stay upwind.  
Move containers from fire area if you can do it without risk.  
Dike far ahead of spill to collect runoff water.

### Special hazards arising from the substance or mixture

**Unusual Fire and Explosion Hazards** • No data available

**Hazardous Combustion Products** • Toxic fumes which may include oxides of nitrogen, oxides of carbon, hydrogen chloride.

### Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** • Avoid any skin contact. Avoid contact with eyes. Use appropriate Personal Protective Equipment (PPE)

**Emergency Procedures** • Keep out of low areas. Stay upwind. Avoid release into the environment. Do not allow runoff into water, storm drains or drainage ditches.

### Environmental precautions

- Avoid release to the environment.

### Methods and material for containment and cleaning up

**Containment/Clean-up Measures** • Absorb spills with an inert material, clay granules or other inert absorbent material and put in container for disposal.

## Section 7 - Handling and Storage

### Precautions for safe handling

**Handling** • Use good safety and industrial hygiene practices. Avoid contact with skin or eyes. Wash thoroughly with soap and water after handling. See product label for additional information.

### Conditions for safe storage, including any incompatibilities

**Storage** • Store in cool, dry, secure place. Keep out of reach of children. Keep only in the original container. Avoid excessive heat.

**Incompatible Materials or Ignition Sources** • Oxidizing agents.

## Section 8 - Exposure Controls/Personal Protection

## Control parameters

**Exposure Limits/Guidelines** • No data available.

Exposure Limits/Guidelines			
	Result	ACGIH	OSHA
Triethylamine (121-44-8)	TWAs	1 ppm TWA	25 ppm TWA; 100 mg/m3 TWA
	STELs	3 ppm STEL	Not established

## Exposure Control Notations

### ACGIH

•Triethylamine (121-44-8): **Skin:** (Skin - potential significant contribution to overall exposure by the cutaneous route)

## Exposure Limits Supplemental

### ACGIH

•Triethylamine (121-44-8): **TLV Basis - Critical Effects:** (visual impairment; upper respiratory tract irritation) | **Notice of Intended Changes (TLVs):** (0.5 ppm TWA; 1 ppm STEL; skin; A4 - not classifiable as a human carcinogen; TLV basis: visual impairment, upper respiratory tract irritation)

## Exposure controls

### Engineering Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

### Personal Protective Equipment

#### Pictograms



#### Respiratory

- In case of insufficient ventilation, use NIOSH approved respiratory protection.

#### Eye/Face

- Wear chemical splash safety goggles.

#### Hands

- Impervious gloves.

#### Skin/Body

- It is recommended for handlers to wear appropriate clothing to prevent skin contact including long sleeves, long pants, socks and shoes.

### Environmental Exposure Controls

- Refer to Section 13 - Disposal Considerations.

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Pale pinkish liquid.
Color	Pale pinkish.	Odor	Slight ammonia.
Odor Threshold	No data available	Physical and Chemical Properties	No data available
General Properties			
Boiling Point	212 F(100 C)	Melting Point/Freezing Point	32 F(0 C)
Decomposition Temperature	No data available	pH	8.3
Specific Gravity/Relative Density	= 1.019; Water=1	Water Solubility	Soluble
Viscosity	Non-viscous		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	No data available

VOC (Vol.)	No data available		
<b>Flammability</b>			
Flash Point	> 200 F(> 93.3333 C)	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
<b>Environmental</b>			
Octanol/Water Partition coefficient	No data available		

## Section 10: Stability and Reactivity

### Reactivity

- Non-reactive under normal handling and storage conditions.

### Chemical stability

- Stable under normal temperatures and pressures.

### Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### Conditions to avoid

- Excessive heat.

### Incompatible materials

- Strong oxidizers.

### Hazardous decomposition products

- Decomposes upon heating to produce toxic gases which may include: hydrogen chloride, carbon oxides, nitrogen oxides.

## Section 11 - Toxicological Information

### Information on toxicological effects

Components		
Triclopyr (8%)	57213-69-1	<b>Acute Toxicity:</b> Ingestion/Oral - Rat LD50 • 1847 mg/kg; Inhalation - Rat - LC50 • >2.6 g/m <sup>3</sup> 4 Hour(s); Skin - Rabbit LD50 • >5000 mg/kg

GHS Properties	Classification
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Eye Irritation 2A
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral 4
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Skin Sensitizer 1B
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met

<b>Toxicity for Reproduction</b>	OSHA HCS 2012 • Classification criteria not met
<b>Germ Cell Mutagenicity</b>	OSHA HCS 2012 • Classification criteria not met

## Potential Health Effects

### Inhalation

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available

### Skin

- Acute (Immediate)** • May cause an allergic reaction in individuals with a sensitivity to Triclopyr.
- Chronic (Delayed)** • Prolonged and repeated exposure can cause skin irritation and/or burns.

### Eye

- Acute (Immediate)** • Causes serious eye irritation.
- Chronic (Delayed)** • No data available

### Ingestion

- Acute (Immediate)** • Harmful if swallowed.
- Chronic (Delayed)** • No data available

### Mutagenic Effects

- No data available.

### Carcinogenic Effects

- No component of this product present at 0.1% or greater is listed by IARC, OSHA or NTP.

### Reproductive Effects

- Triclopyr: In laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals.

## Section 12 - Ecological Information

### Toxicity

- No data available

### Persistence and degradability

- Triclopyr: chemical degradation is expected in the environment. Triethylamine: is readily biodegradable.

### Bioaccumulative potential

- Triclopyr: BCF = 1 invertebrate, measured. Triethylamine: BCF: <4.9 common carp, measured. Bioconcentration potential is low.

### Mobility in Soil

- Triethylamine: Potential for mobility in soil is very high.

### Other adverse effects

- No studies have been found.

## Section 13 - Disposal Considerations

### Waste treatment methods

#### Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. If partly filled, call your local solid waste agency for disposal instructions. Do not empty into drains.

#### Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. See product label for disposal instructions.

## Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable

**Special precautions for user** • None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • No data available

**Other information**

**DOT** • Environmental Hazards: RQ Triethylamine = 5,000 lbs.

**IMO/IMDG** • No data available

**IATA/ICAO** • No data available

## Section 15 - Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**SARA Hazard Classifications** • Acute, SARA Title III Section 313

**FIFRA – Pesticide Labeling**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

### CAUTION

**Precautionary Statements** • KEEP OUT OF THE REACH OF CHILDREN.

**Hazards to Humans and Domestic Animals** • CAUTION: Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin, or clothing during and after application. When applying this product, wear a long sleeved shirt, long pants, shoes and socks and waterproof gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**First Aid** • IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: 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.

**Environmental Hazards** • To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems. This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable where the

water table is shallow, may result in groundwater contamination.

Inventory		
Component	CAS	TSCA
Triclopyr	57213-69-1	No
Triethylamine	121-44-8	Yes

## United States

### Environment

#### U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

- |                 |            |            |
|-----------------|------------|------------|
| • Triethylamine | 121-44-8   |            |
| • Triclopyr     | 57213-69-1 | Not Listed |

#### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- |                 |            |                                    |
|-----------------|------------|------------------------------------|
| • Triethylamine | 121-44-8   | 5000 lb final RQ; 2270 kg final RQ |
| • Triclopyr     | 57213-69-1 | Not Listed                         |

#### U.S. - CERCLA/SARA - Section 313 - Emission Reporting

- |                 |            |                                |
|-----------------|------------|--------------------------------|
| • Triethylamine | 121-44-8   | 1.0 % de minimis concentration |
| • Triclopyr     | 57213-69-1 | 1.0 % de minimis concentration |

#### U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII

- |                 |            |                                       |
|-----------------|------------|---------------------------------------|
| • Triethylamine | 121-44-8   | Included in waste streams: K156, K157 |
| • Triclopyr     | 57213-69-1 | Not Listed                            |

#### U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261

- |                 |            |                   |
|-----------------|------------|-------------------|
| • Triethylamine | 121-44-8   | waste number U404 |
| • Triclopyr     | 57213-69-1 | Not Listed        |

#### U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics

- |                 |            |                   |
|-----------------|------------|-------------------|
| • Triethylamine | 121-44-8   | waste number U404 |
| • Triclopyr     | 57213-69-1 | Not Listed        |

## Section 16 - Other Information

**Revision Date** • 07/October/2015

**Last Revision Date** • 07/October/2015

**Preparation Date** • 07/October/2015

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