

## MATERIAL SAFETY DATA SHEET

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In Case of Emergency, Call  
Sipcam Agro USA, Inc.: 919-226-1195  
CHEMTREC: 800-424-9300

## I. GENERAL INFORMATION

2-Moderate Health Hazard      1-Slight Flammability      0-Least Reactivity

## II. TRANSPORTATION INFORMATION

Proposition 65(CA Only):      Not Determined  
Reportable Quantity (RQ):      None  
RCRA Classification:      Not Applicable  
DOT Classification:      Not Applicable; No label or placard required  
B/L Freight Classification:      Compound; Weed Killing (Herbicide), N.O.S.

SARA TITLE III Classification

313 Chemical: Ethylene glycol (CAS No. 107-21-1) 5.8%  
312 Hazards Classification: Acute and Chronic Health Hazard

## III. PRODUCT IDENTIFICATION

Product Names: Sim-Trol 4L  
Active Ingredient: Simazine (42.8%); CAS#: 122-34-9  
Chemical Name: 2-chloro-4,6-bis(ethylamino)-s-triazine  
Chemical Class: Triazine Herbicide  
EPA Signal Word: CAUTION

## IV. HAZARDOUS INGREDIENTS

<u>Material</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>NTP/IARC/OSHA Carcinogen</u>
Simazine	None	None	No
Nuisance Dusts	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>	No
Ethylene glycol(5.8%)	125mg/m <sup>3</sup>	125mg/m <sup>3</sup>	No

## V. PHYSICAL DATA (\*denotes data developed from technical active ingredient)

Boiling Point: >100°C  
Melting Point: Not Applicable  
Vapor Pressure: \*1.5x10<sup>-8</sup>mmHg@25°C  
Solubility in H2O: \*6.2 mg/1 at 22°C  
Evaporation Rate: Not Available  
Appearance and Odor: Light Tan Liquid, Odorless  
pH: Not Available  
Specific Gravity: 1.14 g/ml at 20°C

## VI. FIRE AND EXPLOSION DATA

Flash Point: >200°F  
Autoignition Temperature: Not Available  
Flammable Limits (% in Air): Not Available  
Unusual Fire, Explosion and Reactivity Hazard: Sim-Trol 4L is an NFPA Class IIIB Liquid

## VII. HEALTH HAZARD INFORMATION

### Acute Toxicity/Irritation Studies

Ingestion:	<u>Practically non-toxic</u>	Oral LD50 (Rat) > 5000 mg/kg body weight
Dermal Absorption:	<u>Slightly-toxic</u>	Dermal LD50 (Rabbit) >2500 mg/kg body weight
Inhalation:	<u>Slightly Toxic</u>	Inhalation LC50 (Rat) > 9.8 mg/l air—4 hours
Eye Contact:	Minimally irritating (Rabbit)	
Skin Contact:	Slightly irritating (Rabbit)	
Skin Sensitization:	Data Not Available (Guinea Pig)	

### Symptoms of Acute Exposure

Exposure to Sim-Trol 4L can irritate eyes, skin, nose and throat. If swallowed, nausea and vomiting may occur.

### Chronic Toxicity Studies

Long-term exposure to low levels of Simazine is not known to cause any chronic ill effects in humans.

An elevated incidence of mammary tumors was observed in female Sprague-Dawley rats during a long-term feeding study with Simazine Technical. This response did not occur in male rats, dogs or mice and is considered to be strain-specific. Simazine caused no adverse reproductive effects over two generations of rats and was not teratogenic in rats or rabbits. Simazine was not mutagenic in several studies conducted using several model systems currently recognized as valid. Several studies in test systems not typically used for regulatory assessment, suggested that Simazine has mutagenic potential.

### Toxicity of Other Components

Ethylene glycol has been shown to produce dose-related teratogenic effects in rats and mice. There is, however, no information suggesting that ethylene glycol has caused birth defects in humans. Severe kidney damage results from swallowing large-volumes of ethylene glycol.

A component of Sim-Trol 4L is reported by the manufacturer to be a nuisance dust.

### Emergency and First Aid Procedures

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Center. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

Eyes: IMMEDIATELY rinse eyes with a large amount of running water. Hold eyelids apart to rinse the entire surface of the eye and lids. Do not apply any medicating agents except on the advice of a physician.

Skin: Wash with plenty of soap and water, including hair and under fingernails. Do not apply any medicating agents except on the advice of a physician. Remove contaminated clothing and wash before reuse.

Inhalation: Move victim from contaminated area to fresh air. Apply artificial respiration if necessary.

Ingestion: If victim is fully conscious, immediately give 1 or 2 glasses of water to drink and induce vomiting. Never give anything by mouth to an unconscious person.

### NOTES TO PHYSICIAN

There is no specific antidote if Sim-Trol 4L is ingested. If a large amount has been ingested and emesis has been inadequate, lavage stomach. Five mg/kg of activated charcoal suspension (50g/400ml water) can be left in the stomach to absorb the remaining toxicant. Based on the acute oral LD50 in rats, ingestion of a fatal dose of Sim-Trol 4L by a human is unlikely.

### MEDICAL CONDITIONS LIKELY TO BE AGGRAVATED BY EXPOSURE

None Known.

**VIII. REACTIVITY DATA**

Conditions Contributing to Instability: Under normal use conditions, this product is stable.

Conditions to avoid: None known.

Hazardous Decomposition: None known.

Conditions Contributing To Hazardous Polymerization: Will not occur.

**IX. SPILL OR LEAK PROCEDURES****Steps To Be Taken If Material Is Released Or Spilled:**

Wear chemical safety glasses or goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, hat and an NIOSH-approved dust or pesticide respirator. For small spills, cover the material with an absorbent material. Sweep up the material and place in an approved chemical waste container. Wash the spill area with water containing a strong detergent, absorb with an absorbent material, sweep up and place in a chemical waste container. Seal the container and dispose of in an approved manner. Rinse the spill area with water to remove any residue. Do not allow wash or rinse water to contaminate water supplies.

**X. INDUSTRIAL HYGIENE CONTROL MEASURES****Ventilation Requirements:**

Store the material in a well ventilated, secure area out of the reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

**Specific Personal Protective Equipment:**

RESPIRATORY: To avoid breathing spray or mist, wear a NIOSH-approved dust or pesticide respirator.

EYE: To avoid eye contact, wear chemical safety glasses or goggles.

SKIN: To avoid skin contact, wear rubber gloves, rubber boots, long-sleeved shirt, long pants and hat.

**XI. SPECIAL PRECAUTIONS****In Case of Fire**

Use dry chemical, foam, or CO2 extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes, or products of combustion. Prevent use of contaminated buildings, area and equipment until decontaminated.

**Disposal**

Do not reuse product containers. Dispose of product containers, waste containers and residues according to local, state, and federal health and environmental regulations.

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