

MATERIAL SAFETY DATA SHEET

GUAZALIL SL

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COMPANY DETAILS:

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IDENTIFICATION

Product Name: GUAZALIL SL
Chemical Name: Mixture between 1-[2-(allyloxy)ethyl-2-(-2,4-dichlorophenethyl)]-1H-imidazolium hydrogen sulphate AND Guazatine acetate
Content: Active ingredient: Imazalil sulphate & Guazatine
CAS Number: Imazalil sulphate - 60534-80-7
Guazatine acetate - 115044-19-4
Use: Agricultural fungicide. End-use product.

UN Number	Dangerous goods subclass	Packing Group	WHO classification
3082	6.1	III	II

PHYSICAL & CHEMICAL DESCRIPTION/PROPERTIES

Color: Transparent light yellow/brown liquid
Odour: Mild acidic chemical odour
Physical State: Liquid
Formulation: Soluble concentrate (SL)
Active content: Imazalil sulphate 134 g/l (equivalent to 100 g/l Imazalil) & Guazatine acetate 200 g/l
Solubility: Highly soluble in water
Specific Gravity: ~1,076 g/ml (CIPAC MT3)
Flash point: 60 °C (IP 34)
Viscosity: 3,6318 mm²/s at 25°C (IP 71)
Compatibility: Not-compatible with wax.
pH range: 3-5 at 25°C (CIPAC MT75)
Corrosiveness: Non corrosive
Packaging: 5 & 20 litre HDPE plastic containers with screw thread cap with ratchet & cutter. The 5 litre containers are foil heat sealed before placement of cap.

HEALTH HAZARD INFORMATION

Health Effects:

Swallowed:

Harmful if swallowed.

Eyes:

Risk of serious damage to eyes.

Skin:

Mild to Moderate irritant.

Inhaled:

Toxic if inhaled.

Chronic toxicity:

Non-carcinogenic, non-teratogenic, non-mutagenic.

FIRST AID:

Eyes: Immediately hold eyelids open and flush with gentle stream of water for 15 minutes. Obtain medical attention.

Skin: Flush thoroughly with water and wash affected area with soap and water. Remove contaminated clothing and wash prior to re- use. Obtain medical attention if irritation persists.

Inhalation: Move person to fresh air. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Immediately contact a physician or poison centre. Induce vomiting preferably using Ipecac (APF) syrup. If far from hospital give plenty of water to drink and induce vomiting. Never induce vomiting or give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: No specific antidote is known. Treat symptomatically. Perform gastric lavage and administer activated charcoal.

PRECAUTIONS FOR USE

Exposure limits:

Not established

Ventilation:

Local exhaust ventilation when necessary.

Personal protective for each exposure route:

Chemical resistant gloves. Face shield or goggles. Protective clothing. Use approved respirator for pesticide mist. Wash hands and exposed skin before eating, drinking or smoking after work.

Flammability:

Non-flammable

SAFE HANDLING INFORMATION

Handling and storage practices:

Store this product in the original, closed containers in a well ventilated, cool, dry, secure area set aside for pesticides. Do not store food, beverages, or tobacco in the same area. Keep out of reach of children and animals. Avoid contact with eyes, skin or clothing, and do not breathe spray mist. Do not eat, drink, smoke, or apply cosmetics in areas where there is a possibility of exposure to this material. Always wash thoroughly after handling. Remove contaminated clothing, and wash it before wearing again. If spilled, clean up promptly. Keep container closed when not in use. Prevent contamination of any body of water.

Procedures for dealing with release or spill:

Wear protective clothing and equipment as described above. For small spills, cover the spill with an absorbent material such as pet litter or sand. Sweep up and place in a suitable chemical container. Dike large spills and transfer to an appropriate container for disposal. Wash the spill area with a small amount of water containing a strong detergent, absorb with absorbent material, sweep up and place in the chemical container. Seal and label the container, and dispose of it in an approved manner. Flush the spill area with water to remove any residue. Do not allow wash water to contaminate water supplies or any body of water.

Fire/ Explosion Hazard:

Extinguishing Media: Dry chemical or carbon dioxide in case of small fire. For large fires use water spray, fog, or regular foam.

Special Fire Fighting Procedures: Fire-fighters should wear full protective clothing and self-contained breathing apparatus. Evacuate non-essential personnel from the area to prevent human exposure to fire, smoke, fumes, or products of combustion. Contain run-off to prevent contamination of any bodies of water. Prevent use of contaminated buildings, area, and equipment until decontaminated.

Stability and reactivity:

Stability: Stable under normal conditions.

Conditions to avoid: Protect from (sun)light, open flame, and heat sources. Imazalil sulphate decomposes upon heating.

Materials to avoid: Avoid contact with strong acids and strong bases.

Hazardous reactions: Hazardous polymerization will not occur.

OTHER INFORMATION

Animal toxicity data (Calculated):

Acute Oral toxicity:	LD ₅₀ 300 – 500 mg/kg (rat)
Acute Dermal toxicity:	LD ₅₀ >1000 mg/kg (rat)
Acute Inhalation toxicity:	LC ₅₀ 225 mg/m ³ (Technical). Harmful if inhaled.
Eye irritation:	Severely irritating to eyes.
Skin irritation:	Moderately irritating to skin.
Sensitisation:	Sensitizer

Environmental/Ecological effects:

Mobility: Does not leach to ground water. Immobile in soil.

Dangerous to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

Not toxic to bees.

Imazalil sulphate Ecotoxicity:	Birds	LD ₅₀ >2000mg/kg (Mallard duck)
	Fish	LC ₅₀ = 2.5mg/l, 96 hours (rainbow trout)
Guazatine Technical Ecotoxicity:	Birds	LD ₅₀ 82mg/kg (Pigeon)
	Fish	LC ₅₀ = 1.41mg/l, 96 hours (rainbow trout)

TRANSPORT INFORMATION

Proper shipping name:	Pesticide, liquid, toxic, n.o.s. (Guazatine & Imazalil sulphate)
UN no:	3082
Dangerous goods subclass:	6.1
Packing Group:	III
Risk phase:	Harmful if swallowed. Toxic by inhalation

This information concerns only the product conforming to its specifications and limits to the uses herein stated. The information contained on this sheet is based on available knowledge of the product on date of publication. It is given in good faith.