

Material Safety Data Sheet



Section 1. Product and company identification

Product name : **SPECTROL** **Code** : 3123

Product description : Cleaner/Deodorizer Disinfectant Fungicide Mildewstat Virucide Tuberculocide

Supplier/Manufacturer : **CHOISY LABORATORIES LTD.** Phone: (819) 228-5564
390, St-Laurent East, P.O. Box 6 E-mail: info@choisy.com
Louiseville (Quebec) J5V 2L7 www.choisy.com

In case of emergency : **Quebec Poison Control Centre:** (24 hours service)
-Quebec: (800) 463-5060 (no charge)
-All other places: (418) 656-8090
CANUTEC: (613) 996-6666 (collect)

Section 2. Hazards identification

Physical state : Liquid. [Transparent liquid.]

Signal word : **WARNING!**

CAUSES EYE IRRITATION. MAY CAUSE RESPIRATORY TRACT AND SKIN IRRITATION.

See toxicological information (Section 11)

Section 3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
- Diethylene glycol monobutyl ether	112-34-5	5 - 10
- Methyl glycine diacetic acid, trisodium salt	164462-16-2	1 - 5

Section 4. First aid measures

Eye contact : Rinse with plenty of running water. Get medical attention.

Skin contact : Flush contaminated skin with plenty of water. If irritation persists, get medical attention.

Inhalation : Move exposed person to fresh air. Get medical attention if symptoms occur.

Ingestion : Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Section 5. Fire-fighting measures

Flammability of the product : No specific fire or explosion hazard.

Flash point : Closed cup: >93.3°C [Pensky-Martens.] [Product does not sustain combustion.]

Extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Section 6. Accidental release measures

Personal precautions : No action shall be taken involving any personal risk or without suitable training. Do not touch or walk through spilled material.

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up : Stop leak if without risk. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

Section 7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see Section 8). Avoid contact with skin and eyes. Avoid breathing vapor or spray. Use only with adequate ventilation. Keep away from acids. Manipulate with care, avoid splashes.
- Storage** : Store in accordance with local regulations. Keep out of reach of children. Store away from direct sunlight. Do not store in unlabeled containers. Separate from acids. Keep container tightly closed in a cool, well-ventilated place.

Section 8. Exposure controls/personal protection

- Engineering measures** : No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels.

Personal protection

- Eyes** : Splash goggles.
- Hands** : No protective gloves required under normal handling conditions. Wash hands thoroughly after handling.
- Respiratory** : No respiratory protection required under normal handling conditions.
- Other** : Not applicable.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

- Physical state** : Liquid. [Transparent liquid.]
- Color** : Coral
- Odor** : Odorless.
- pH** : 12 to 13
- Viscosity** : Not available.
- Boiling/condensation point** : 100°C
- Melting/freezing point** : <0°C
- Relative density** : 1.01 to 1.015
- Vapor density** : >1 [Air = 1]
- Solubility** : Easily soluble in the following materials: cold water and hot water.

Section 10. Stability and reactivity

- Chemical stability** : The product is stable.
- Conditions to avoid** : No specific data.
- Materials to avoid** : Reactive or incompatible with the following materials:
acids
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

Section 11. Toxicological information

Potential acute health effects

- Eyes** : Irritating to eyes.
- Skin** : Moderately irritating to the skin.
- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Potential chronic health effects

- Carcinogenic Effects** : No known significant effects or critical hazards.
- Mutagenic Effects** : No known significant effects or critical hazards.
- Teratogenic Effects** : No known significant effects or critical hazards.

Section 11. Toxicological information**Reproductive effects** : No known significant effects or critical hazards.**Sensitizer** : No known significant effects or critical hazards.**Toxicity data**

Product/ingredient name	Test	Species	Result
- Diethylene glycol monobutyl ether	LD50 Dermal	Rabbit	2700 mg/kg
	LD50 Oral	Rat	6560 mg/kg
- Methyl glycine diacetic acid, trisodium salt	LD50 Dermal	Rat	>2000 mg/kg
	LD50 Oral	Rat	>2000 mg/kg

Section 12. Ecological information**Ecotoxicity** : No known significant effects or critical hazards.**Biodegradability** : Not available.


Product/ingredient name	Result	Species	Exposure
- Methyl glycine diacetic acid, trisodium salt	Acute LC50 >100 mg/l	Fish	96 hours

Section 13. Disposal considerations

Waste disposal : 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.

Consult your local or regional authorities.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
TDG Class	UN1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary ammonium compound, solution)	8	III		Remarks Limited quantity in 5L or less

PG* : Packing group

Section 15. Regulatory information

WHMIS (Canada) : Not controlled under WHMIS (Canada).

Not controlled (exemption): DIN 02243416.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16. Other information

Date of issue : 2016-07-19.

Prepared by: Department of Research and Development of Choisy Laboratories Ltd.

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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.