

SAFETY DATA SHEET

Emission date: 2018-03-05



Section 1. Identification

Product name : **SPECTRO-SEPT HC** **Code** : **3125**

Product description : **Cleaner Disinfectant Detergent Deodorizer Fungicide Mildewstat**

Restrictions on use : For professional use only.

Supplier/Manufacturer : **CHOISY LABORATORIES LTD** **Emergency phone** : **Quebec Poison Control Centre:**
390, boul. St-Laurent Est (24 hour service) -Quebec: 800-463-5060 (no charge)
Louiseville (Quebec) -All other places: 418-656-8090
CANADA J5V 2L7 **CANUTEC**: 613-996-6666 (collect)
info@choisy.com / www.choisy.com

Section 2. Hazard identification

Product classification : This product is a registered disinfectant and is exempt from WHMIS. For more information, see the product label.

Hazard pictograms :

Signal word : Danger

Hazard statements : Flammable liquid and vapor.
Harmful if swallowed.
Causes severe skin burns and eye damage.

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, protective clothing, eye protection and face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Response :
IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. Drink a lot of water.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Storage : Not applicable.

Disposal : Dispose of contents and container in a waste disposal facility, in accordance with all local, regional and national regulations.

Other hazards : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Hazardous ingredients

	CAS number	Concentration %
- (I) Di-N-alkyl dimethylammonium chloride and (II) N-alkyl dimethylbenzylammonium chloride	(I) 68424-95-3 (II) 68424-85-1	15 - 30
- Alcohols, C12-15, ethoxylated	68131-39-5	10 - 15

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.

Section 4. First aid measures

Eye contact : Get medical attention immediately. 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.

Skin contact : Flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur.

Inhalation : Remove person to fresh air and keep comfortable for breathing. Maintain an open airway. Get medical attention if symptoms occur.

Ingestion : 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 necessary, call a poison center or physician.

Notes to medical doctor : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

See Section 11 for more detailed information on health effects and possible symptoms.

**Section 5. Fire-fighting measures**

Suitable extinguishing media : Use dry chemical, CO₂, water spray (fog) or foam.

Specific hazards arising from the chemical

Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

Hazardous thermal decomposition products : Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds

Advice for firefighters

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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or spray. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Methods and materials for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

Put on appropriate personal protective equipment. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or spray. Wash hands thoroughly after handling. Use only with adequate ventilation. Store and use away from heat, sparks, open flame or any other ignition source. Empty containers retain product residue and can be hazardous. Do not reuse container. Manipulate with care, avoid splashes.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Hazardous ingredients	CAS number	Exposure limit values
No exposure limit value known.		

Appropriate engineering controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Personal protective equipment

- Eye/face** : Wear eye protection against chemical splashes.
- Hands** : Wear chemical-resistant, impervious gloves.
- Respiratory** : No respiratory protection required under normal handling conditions.
- Other** : Wear appropriate protective clothing to prevent skin contact.

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.

Handling of diluted product: Information contains therein are issued for the concentrated product as sold. At recommended use dilution, risks regarding this product are greatly reduced. Preventive measures can then be tailored to the employer judgment based on experience and/or level of exposure of workers.

**Section 9. Physical and chemical properties**

pH	: 7 to 7.5	Physical state	: Liquid. [Transparent liquid.]
Specific gravity	: 1.003 to 1.008	Color	: Red.
Odor threshold	: Not available.	Odor	: Characteristic.
Boiling point	: 100°C		
Melting/freezing point	: <0°C		
Vapor pressure	: Not available.		
Vapor density	: >1 [Air = 1]		
Volatility	: Not available.		
Solubility	: Easily soluble in the following materials: cold water and hot water.		
Flash point	: Closed cup: 54°C [Product does not sustain combustion.]		
Viscosity	: Not available.		
Evaporation rate	: Not available.		
Flammability (solid, gas)	: Not available.		
Flammable limits	: Not available.		
Partition coefficient: n-octanol/water	: The product is much more soluble in water.		
Auto-ignition temperature	: Not available.		
Decomposition temperature	: 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	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Likely routes of exposure : Not available.

Potential acute health effects

Eye contact	: Causes serious eye damage.
Skin contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Ingestion	: Harmful if swallowed.

Potentials symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Pain, watering, redness
Skin contact	: Pain or irritation, redness, blistering may occur
Inhalation	: No specific data.
Ingestion	: No specific data.

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.
Reproductive effects	: No known significant effects or critical hazards.
Sensitizer	: No known significant effects or critical hazards.

Numerical measures of toxicity

Product/ingredient name	Species	Result	Dose
- (I) Di-N-alkyl dimethylammonium chloride and (II) N-alkyl dimethylbenzylammonium chloride	Rat	LD50 Oral	50 to 300 mg/kg
- Alcohols, C12-15, ethoxylated	Rabbit	LD50 Dermal	2300 mg/kg
	Rat	LD50 Oral	1700 mg/kg

**Section 12. Ecological information**

Ecotoxicity : No known significant effects or critical hazards.
Phosphate-free product.

Aquatic ecotoxicity:

Product/ingredient name	Result	Species	Exposure
- Alcohols, C12-15, ethoxylated	Acute EC50 2.9 mg/l	Aquatic plants - Algae	96 hours
	Acute EC50 0.4 mg/l	Daphnia	48 hours
	Acute LC50 1.1 mg/l	Fish	48 hours


Persistence and degradability

Not available.

Section 13. Disposal considerations**Waste handling and 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

Reg. info.	UN #	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

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

Classification of this product and the SDS have been made in accordance with Hazardous Products Regulations (HPR) in force in Canada. This product is a mixture for which no specific health effects data exist. The risks have therefore been evaluated based on the physicochemical properties of the product and its composition and may be overestimated.

Food contact : Not available.

DSL; Canadian Domestic Substance List : All components are listed or exempted.

Section 16. Other information

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Notice to reader

The information provided in this Safety Data Sheet has been compiled from our experience and data presented in various technical publications. The information contained herein is based on the state of our current knowledge of the product concerned. It is the user's responsibility to verify the value of this information for the adoption of required safety measures. We reserve the right to revise Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the company to make sure that the Safety Data Sheet he owns is the last published.

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