

# SAFETY DATA SHEET

Emission date: 2020-07-30



## Section 1. Identification

**Product name** : **SPECTRO-SEPT** **Code** : **3124**

**Recommended use** : **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  
Louiseville (Quebec)  
CANADA J5V 2L7  
info@choisy.com / www.choisy.com  
(24 hour service)  
-Quebec: 800-463-5060 (no charge)  
-All other places: 418-656-8090  
**CANUTEC**: 613-996-6666 (collect)

## 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** : 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. Use only in a well-ventilated area. Avoid breathing vapor. Wash hands thoroughly after handling.

**Response** : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician.  
IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician.  
IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical attention.  
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** : Store locked up.

**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 (% m/m) |
|---------------------------------------------------------------------------------------------|--------------------------------|-----------------------|
| - (I) Di-N-alkyl dimethylammonium chloride and (II) N-alkyl dimethylbenzylammonium chloride | (I) 68424-95-3 (II) 68424-85-1 | 10 - 15               |
| - Alcohols, C12-15, ethoxylated                                                             | 68131-39-5                     | 5-10                  |
| - Tetrasodium salt of ethylenediaminetetraacetic acid                                       | 64-02-8                        | 1 - 5                 |
| - Aromatic extracts (alcohols, esters, terpenes, essential oils, hydrocarbons)              | mélange-mixture-mezcla         | 0.1 - 1               |

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** : Get medical attention immediately. Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. In the event of any complaints or symptoms, avoid further exposure.



- Inhalation** : Get medical attention immediately. Remove person to fresh air and keep comfortable for breathing. Maintain an open airway. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If necessary, call a poison center or physician.
- Ingestion** : Get medical attention immediately. 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.
- 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 an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

### Specific hazards arising from the chemical

In a fire or if heated, a pressure increase will occur and the container may burst.

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

### 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.

**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. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. 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. 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. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid breathing vapor or spray. Wash hands thoroughly after handling. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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 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. Store locked up. 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

No exposure limit value known.

##### CAS number

##### Exposure limit values

#### 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.

### 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

|                                               |                                                                        |                       |                                 |
|-----------------------------------------------|------------------------------------------------------------------------|-----------------------|---------------------------------|
| <b>pH</b>                                     | : 5 to 7                                                               | <b>Physical state</b> | : Liquid. [Transparent liquid.] |
| <b>Specific gravity</b>                       | : 0.98 to 1.03                                                         | <b>Color</b>          | : Yellow.                       |
| <b>Odor threshold</b>                         | : Not available.                                                       | <b>Odor</b>           | : Freshness                     |
| <b>Boiling point</b>                          | : 100°C                                                                |                       |                                 |
| <b>Melting/freezing point</b>                 | : <0°C                                                                 |                       |                                 |
| <b>Vapor pressure</b>                         | : Not available.                                                       |                       |                                 |
| <b>Vapor density</b>                          | : >1 [Air = 1]                                                         |                       |                                 |
| <b>Volatility</b>                             | : Not available.                                                       |                       |                                 |
| <b>Solubility</b>                             | : Easily soluble in the following materials: cold water and hot water. |                       |                                 |
| <b>Flash point</b>                            | : Closed cup: >93.3°C [Product does not sustain combustion.]           |                       |                                 |
| <b>Viscosity</b>                              | : Not available.                                                       |                       |                                 |
| <b>Evaporation rate</b>                       | : Not available.                                                       |                       |                                 |
| <b>Flammability (solid, gas)</b>              | : Not available.                                                       |                       |                                 |
| <b>Flammable limits</b>                       | : Not available.                                                       |                       |                                 |
| <b>Partition coefficient: n-octanol/water</b> | : The product is much more soluble in water.                           |                       |                                 |
| <b>Auto-ignition temperature</b>              | : Not available.                                                       |                       |                                 |
| <b>Decomposition temperature</b>              | : Not available.                                                       |                       |                                 |

## Section 10. Stability and reactivity

|                                           |                                                                                                        |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | : No specific test data related to reactivity available for this product or its ingredients.           |
| <b>Chemical stability</b>                 | : The product is stable.                                                                               |
| <b>Possibility of hazardous reactions</b> | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| <b>Conditions to avoid</b>                | : No specific data.                                                                                    |
| <b>Incompatible materials</b>             | : No specific data.                                                                                    |
| <b>Hazardous decomposition products</b>   | : 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

|                     |                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b>  | : Causes serious eye damage.                                                                                       |
| <b>Skin contact</b> | : Causes severe burns. May cause an allergic skin reaction.                                                        |
| <b>Inhalation</b>   | : Toxic if inhaled. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. |
| <b>Ingestion</b>    | : May cause burns to mouth, throat and stomach.                                                                    |

### Potentials symptoms related to the physical, chemical and toxicological characteristics

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| <b>Eye contact</b>  | : Pain, watering, redness                           |
| <b>Skin contact</b> | : Pain or irritation, redness, blistering may occur |
| <b>Inhalation</b>   | : respiratory tract irritation, coughing            |
| <b>Ingestion</b>    | : Stomach pains                                     |

### Potential chronic health effects

|                             |                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Carcinogenic Effects</b> | : No known significant effects or critical hazards.                                                   |
| <b>Mutagenic Effects</b>    | : No known significant effects or critical hazards.                                                   |
| <b>Teratogenic Effects</b>  | : No known significant effects or critical hazards.                                                   |
| <b>Reproductive effects</b> | : No known significant effects or critical hazards.                                                   |
| <b>Sensitizer</b>           | : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |

**Numerical measures of acute toxicity**

| Product/ingredient name                                                                     | Species | Result      | Dose        |
|---------------------------------------------------------------------------------------------|---------|-------------|-------------|
| - (I) Di-N-alkyl dimethylammonium chloride and (II) N-alkyl dimethylbenzylammonium chloride | Rabbit  | LD50 Dermal | >2000 mg/kg |
| - Alcohols, C12-15, ethoxylated                                                             | Rat     | LD50 Oral   | 307 mg/kg   |
|                                                                                             | Rabbit  | LD50 Dermal | 2500 mg/kg  |
|                                                                                             | Rat     | LD50 Oral   | 1610 mg/kg  |
| - Tetrasodium salt of ethylenediaminetetraacetic acid                                       | Rat     | LD50 Oral   | 10 g/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 0.7 mg/l  | Aquatic plants                        | 96 hours |
|                                                       | Acute EC50 1.3 mg/l  | Daphnia                               | 48 hours |
|                                                       | Acute LC50 1.2 mg/l  | Fish                                  | 48 hours |
| - Tetrasodium salt of ethylenediaminetetraacetic acid | Acute EC50 1.01 mg/l | Algae -<br>Desmodesmus<br>subspicatus | 72 hours |
|                                                       | Acute LC50 41 mg/l   | Fish - Lepomis<br>macrochirus         | 96 hours |
|                                                       | Acute LC50 59.8 mg/l | Fish - Pimephales<br>promelas         | 96 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                           |
|-------------------|--------|-------------------------------------------------------------------------------------|---------|-----|---------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>TDG Class</b>  | UN1903 | DISINFECTANT, LIQUID, CORROSIVE, N.O.S.<br>(Quaternary ammonium compound, solution) | 8       | III |  | <b>Remarks</b><br>Limited quantity in 5L or less |
| <b>IMDG Class</b> | UN1903 | DISINFECTANT, LIQUID, CORROSIVE, N.O.S.<br>(Quaternary amines in solution)          | 8       | III |  | <b>Remarks</b> 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 applicable.

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

**Section 16. Other information**

**Date of issue** : 2020-07-30

**Version** : 1.02

**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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