

SAFETY DATA SHEET

Emission date: 2026-06-26



Section 1. Identification

Product name : **SPECTROL**

Health Canada : **DIN#02243416**

Recommended use : **Cleaner/Deodorizer Disinfectant Fungicide Mildewstat Virucide Tuberculocide**

Restrictions on use : For professional use only.

Supplier/Manufacturer : **KERSIA CANADA LTD**
390, boul. St-Laurent Est
Louiseville (Quebec), CANADA, J5V 2L7
info.canada@kersia-group.com / www.kersia.ca

Emergency phone (24 hour service) : **Carechem 24** : 1-215-207-0061
toll free : 1-800-579-7421
Quebec Poison Control Center
(QPCC) : 1-800-463-5060

Section 2. Hazard identification

Product classification : **EYE IRRITATION - Category 2A**
This product is a registered disinfectant and is exempt from WHMIS. For more information, see the product label.

Hazard pictograms : 

Signal word : Warning

Hazard statements : Causes serious eye irritation.

Precautionary statements

General : Read carefully and follow all instructions. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Wear eye or face protection. Wash hands thoroughly after handling.

Response : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Storage : Not applicable.

Disposal : Not applicable.

Other hazards : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Hazardous ingredients	CAS number	Concentration* %
- Diethylene glycol monobutyl ether	112-34-5	5 - 10
- Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	1 - 5

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.

* Any concentration shown as a range is to protect confidentiality.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 10 minutes. Get medical attention.

Skin contact : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.

Inhalation : Maintain an open airway. Get medical attention if symptoms occur.

Ingestion : 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 adverse health effects persist or are severe.

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.

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in section 2 and/or in section 11 of this safety data sheet.

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 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. Provide adequate ventilation. Put on appropriate personal protective equipment.

Methods and materials for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

Put on appropriate personal protective equipment. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or spray. Wash hands thoroughly after handling. Keep away from acids. 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. Separate from acids. 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
- Diethylene glycol monobutyl ether	112-34-5	ACGIH TLV (United States) TWA: 10 ppm.

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye/face : Wear eye protection.

Hands : No protective gloves required under normal handling conditions. Wash hands thoroughly after handling.

Respiratory : No respiratory protection required under normal handling conditions. Wear appropriate respirator when ventilation is inadequate. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Other : Not applicable.

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.

Section 9. Physical and chemical properties

pH	: 11 to 13	Physical state	: Liquid. [Transparent liquid.]
Relative density	: 0,98 to 1,03	Color	: Coral
Volumic mass	: Not available.	Odor	: Fragrance free.
Boiling point	: 100°C	Viscosity	: Dynamic: <10 mPa·s (<10 cP) Kinematic: Not available.
Melting/freezing point	: <0°C		
Vapor Pressure	: Not available.		
Relative vapor density	: >1 [Air = 1]		
Solubility	: Yes. [Miscible in water.]		
Flash point	: Closed cup: >93,3°C [Product does not sustain combustion.]		
Flammability	: Non-flammable.		
Flammable limits	: Not available.		
Auto-ignition temperature	: Not applicable.		
Decomposition temperature	: Not available.		
Particle characteristics	: Not applicable.		
Partition coefficient n-octanol/water (log Pow)	: Not applicable.		

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	: No specific data.
Incompatible materials	: 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.

Section 11. Toxicological information

Likely routes of exposure : Dermal contact. Eye contact. Inhalation.

Potential acute health effects

Eye contact	: Causes serious eye irritation.
Skin contact	: No known significant effects or critical hazards.
Inhalation	: The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.
Ingestion	: No known significant effects or critical hazards.

Potentials symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Pain or irritation, watering, redness
Skin contact	: No specific data.
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.
Reproductive effects	: No known significant effects or critical hazards.
Sensitizer	: No known significant effects or critical hazards.

Numerical measures of acute toxicity

Hazardous ingredients

- Diethylene glycol monobutyl ether
- Tetrasodium salt of ethylenediaminetetraacetic acid

Species Result

Rat - Oral - LD50 5660 mg/kg
Rabbit - Dermal - LD50 2700 mg/kg
Rat - Oral - LD50 1780 mg/kg
Rat - Inhalation - LC50 Vapor 1,5 mg/l [4 hours]

Section 12. Ecological information

Ecotoxicity : No known significant effects or critical hazards.

Aquatic ecotoxicity :

Hazardous ingredients	Result	Species	Exposure
- Diethylene glycol monobutyl ether	Acute - LC50	Fish	1300 mg/l [96 hours]
	Acute - EC50	Daphnia	>100 mg/l [48 hours]
	Acute - EC50	Algae	>100 mg/l [96 hours]
- Tetrasodium salt of ethylenediaminetetraacetic acid	Acute - LC50	Fish - <i>Lepomis macrochirus</i>	41 mg/l [96 hours]
	Acute - LC50	Fish - <i>Pimephales promelas</i>	59,8 mg/l [96 hours]
	Acute - EC50	Algae - <i>Desmodesmus subspicatus</i>	1,01 mg/l [72 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	Not regulated.	-	-	-		-

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 : All components are listed or exempted.

Substance List

Section 16. Other information

Date of issue : 2026-06-26

Version : 2.2

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.

Prepared by : Department of Regulatory Affairs of Kersia Canada.

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