

MATERIAL SAFETY DATA SHEET

g77

SECTION I - PRODUCT IDENTIFICATION

Product Name: TOR II (920963-01)
Product Use: Quaternary germicidal disinfectant
WHMIS Class: Registered product – DIN 01905457
T.D.G. Classification: Not regulated
Manufacturer/Supplier: Ecolab Inc., Professional Products Division

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

Address: (US) 370 Wabasha Street N. (Canada) 5105 Tomken Road
St. Paul, MN 55102 Mississauga, Ontario L4W 2X5

Emergency Phone: 1-800-328-0026

SECTION II - HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>Wt%</u>	<u>ACGIH-TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
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Not applicable to DIN products. Refer to product label for active ingredient content.

SECTION III - PHYSICAL DATA

Boiling Point (deg C): 100	Specific Gravity (H₂O=1): 1.0
Vapour Pressure (mm Hg @ 20°C): Not available	% Volatile (Wt %): Not available
Vapour Density (Air = 1): Not available	Evaporation Rate (H₂O=1): Not available
Solubility in Water: Complete	pH (100%): 7.2 – 8.2
Physical State: Liquid	Viscosity: Not available
Appearance; Odour: Green; sassafras	Odour Threshold (ppm): Not available

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not flammable by WHMIS criteria.
Flash Point (deg C, TOC): None **LEL:** Not applicable **UEL:** Not applicable
Hazardous Combustion Products: May include and are not limited to oxides of carbon, oxides of nitrogen.
Autoignition Temperature (deg C): Not applicable.
Means of Extinction: Treat for surrounding material.
Special Fire Hazards: Fire fighters should wear self-contained breathing apparatus.

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability: Stable.
Incompatible Materials: Acids.
Reactivity, and Under What Conditions: Do not mix with anything but water.
Hazardous Decomposition Products: May include and are not limited to oxides of carbon, oxides of nitrogen when heated to decomposition.

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SECTION VI - TOXICOLOGICAL PROPERTIES

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Route of Entry: Eye, Skin contact, Ingestion

EFFECTS OF ACUTE EXPOSURE:

Eye: Causes irritation.

Skin: May cause irritation.

Ingestion: May cause stomach distress, nausea or vomiting.

EFFECTS OF CHRONIC EXPOSURE:

Skin: Prolonged or repeated exposure may cause drying, defatting and dermatitis.

Irritancy: May cause irritation.

Respiratory Tract Sensitization: No data available.

Carcinogenicity: Non-hazardous by WHMIS criteria.

Teratogenicity, Mutagenicity, Reproductive Effects: No data available.

Synergistic Materials: Not available.

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SECTION VII- PREVENTATIVE MEASURES

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Gloves: Rubber. Confirm with a reputable supplier first.

Eye Protection: Safety glasses.

Respiratory Protection: Not normally required.

Other Protective Equipment: As required by employer code.

Engineering Controls: General ventilation.

Leak and Spill Procedure: Before attempting cleanup, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

Waste Disposal: Review federal, provincial and local government requirements prior to disposal.

Storage and Handling Requirements: Keep out of reach of children. Store in closed container away from incompatible materials. Do not reuse this container.

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SECTION VIII - FIRST AID

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Eye: Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Call a physician immediately.

Skin: Flush with cool water for 15 minutes, removing contaminated clothing. Discard or wash well before reuse. Call a physician if irritation persists.

Inhalation: Not a normal route of exposure. If symptoms develop, move victim to fresh air. If symptoms persist, call a physician.

Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Call a physician, a poison control centre or the Ecolab emergency number (1-800-328-0026). Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

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SECTION IX - PREPARATION INFORMATION

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Date: December 1, 1999

MSDS Prepared by: Technical Service

Telephone: 1-905-238-0171

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Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8466) or CSST in Montreal, Quebec (514-873-3990).