

Section I. Product Identification and Uses

HMIS (HFRP)
Health Hazard 2
Fire Hazard 0
Reactivity 0
Personal Protection b

Common / Trade name	LEMINEE 64	TDG	Not regulated under TDG (Canada).
WHMIS	D1B, D2B, E, DIN, registered, product	PIN	None
Code	1923	PG	None
Material uses	Disinfectant, cleaner.		

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Dialkyl dimethyl ammonium chloride	68424-95-3	1 - 5	Not available.	ORAL (LD50): Acute: 455 mg/kg [Rat].
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	1 - 5	Not available.	ORAL (LD50): Acute: 426 mg/kg [Rat]. 919 mg/kg [Mouse].
Ethoxylated C12-16 alcohol	68551-12-2	1 - 5	Not available.	ORAL (LD50): Acute: 4150 mg/kg [Rat].
Tetrasodium ethylenediaminetetraacetate	64-02-8	0.5 - 1.5	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat].
Ethyl alcohol	64-17-5	0.1 - 1	STEL: 1000 ppm	ORAL (LD50): Acute: 8300 mg/kg [Mouse]. 13700 mg/kg [Rat]. 17750 mg/kg [Rat].

Section III. First Aid Measures

Eye contact IMMEDIATELY flush eyes with running water for at least 15 minutes. Seek medical attention.

Skin contact Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.

Inhalation Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Ingestion DO NOT induce vomiting. Have a conscious person drink several glasses of water. NEVER give an unconscious person anything to ingest. Seek medical attention.

Section IV. Physical Data

Physical state and appearance	Liquid.	Colour	Fluorescent yellow.
pH (1% soln/water)	6.0 - 6.6	Odour	Lemon.
pH (concentrate)	6.0 - 6.6	Volatility	Not available.
Boiling point	Weighted average: 106.31°C (223.4°F)	Vapour density	The highest known value is > 1 (Air = 1) (Ethoxylated C12-15 alcohol.). Weighted average: 1 (Air = 1)
Specific gravity	1.00 -1.01 (Water = 1)	Vapour pressure	Not available.
Solubility	Easily soluble in cold water and hot water.		

Section V. Fire and Explosion Data

The product is Non-flammable.

Auto-ignition temperature Not applicable.

Flash points Not applicable.

Degradation products Carbon oxides (CO, CO2) nitrogen oxides (NO, NO2...) halogenated compounds Hydrogen chloride gas. Ammonia.

Extinguishing media Use DRY chemicals, CO2, water spray or foam.

Section VI. Reactivity data

Stability The product is stable.

Decomp. products See fire degradation products.

Reactivity Slightly reactive to reactive with strong oxidizing agents and strong acids.

Section VII. Toxicological properties

Route of entry Eye contact. Ingestion. Skin contact. Inhalation.

Toxicity for animals Acute oral toxicity (LD50): 426 mg/kg [Rat]. (Alkyl dimethyl benzyl ammonium chloride (C12-16)).

Acute effects HARMFUL IF SWALLOWED. This product may irritate eyes and skin upon contact. May cause skin sensitization.

Chronic effects CARCINOGENIC EFFECTS: Not available: MUTAGENIC EFFECTS: Classified None. for human [Alkyl dimethyl benzyl ammonium chloride (C12-16)].
TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. . Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

Section VIII. Preventive measure

Waste disposal Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.

Storage Keep container tightly closed. Keep in a cool, well-ventilated place.

Precautions Keep locked up and out of reach of children. DO NOT ingest. Do not breathe gas, fumes, vapor or spray. Avoid contact with skin and eyes.

Spill and leak Absorb with an inert DRY material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section IX. Personal protective equipment

Gloves Neoprene gloves.

Respiratory Wear appropriate respirator when ventilation is inadequate.

Eyes Safety glasses.

Other Full suit, apron, face shield, boots: are recommended under exceptional circumstances such as fire or spill.

Eng. controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Section X. Preparation and other Information

Validated by the Regulatory Affairs Department on August 30th 2013

EMERGENCY: CANUTEC 613-996-6666

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 of 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.

Annex A. Legend

HMIS Hazardous Materials Identification System

WHMIS WHMIS Workplace Hazardous Materials Information System

TDG Transport Dangerous Goods

PIN Product Identification Number

PG Packaging Group
