

SAFETY DATA SHEET

1. IDENTIFICATION AND USE OF THE PRODUCT AND SUPPLIER

PRODUCT NAME
USE: MARATHON-LC-SANITOL
DISINFECTANT / DISINFECTANT-BACTERICIDAL CLEANER
FOR HARD SURFACES

Maker  LIBERCHEM Inc
572 Avenue Orly, Dorval
Quebec, Canada
H9P 1E9
Tel: 514 631-7177

EMERGENCY PHONE
Poison Control Centre (Quebec): 1 (800) 663-5060
CANUTEC: (613) 996-6666

2. IDENTIFICATION OF HAZARDS

Classification of the substance or mixture: Not classified
Caution Requirement: If medical advice is required; have a container or label available
Hazard statements: Keep out of reach of children, Read label before use
No known important effects or critical hazards
Classification system according to NFPA: Not applicable

3. COMPOSITION / COMPONENT INFORMATION

- HAZARDOUS INGREDIENTS
- Chemical Name: Mixtures
- Description: Mixture of the substances listed below with non-hazardous additions

CASE No.		
85409-23-0	Alkyl (68%C12,32% C14) dimethyl ethyl benzyl ammonium chloride	10-15 %
68391-01-5	Alkyl dimethyl benzyl ammonium chloride (C12-18)	

4. FIRST AID

INHALATION: Transport the victim to fresh air. If she is not breathing, practice artificial respiration. If artificial respiration is difficult, give oxygen and seek immediate medical attention

SKIN: Rinse thoroughly with soap and water. If clothing is contaminated, remove it immediately. If irritation occurs, seek medical attention

EYES: Immediately rinse eyes with light warm water for 15 minutes or until removed. Consult a doctor.

INGESTION: If the victim is conscious, give him two glasses of water. INDUCE professional VOMITING. Seek immediate medical attention Most significant symptoms and effects (acute and delayed): (See Section 11) -No other relevant information is available.

5. FIRE-FIGHTING MEASURES

- EXTINGUISHING MEANS: Use dry chemicals, CO₂, water, alcohol foam, for large fires
- IMPROPER FIRE EXTINGUISHING: Not available
- SPECIFIC HAZARD PRODUCT OR HAZARDOUS MIXTURE: Fuels can release vapors that form flammable mixtures at or above its flash point. Use water spray to cool. Avoid spraying water directly into storage containers due to the danger of overflow. The liquid is volatile and gives off invisible vapours.
- HAZARDOUS COMBUSTION: Decomposition products may include carbon monoxide.
- SPECIAL PROTECTIVE EQUIPMENT AND SPECIAL PRECAUTIONS FOR FIREFIGHTERS: Wear full protective clothing, including self-contained breathing apparatus.

6. MEASURES IN THE EVENT OF AN ACCIDENTAL SPILL

- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Wear personal protective equipment. (Refer to Section 8 for personal protection.) and Section 13 for disposal data.
- ENVIRONMENTAL MEASURES: The product must not be discharged into sewers and waterways.
- SPILL ON LAND Collect used rolls with an absorbent to wipe up spilled liquid on the floor. Do not use combustible materials such as sawdust.
- SPILLAGE INTO WATER: Eliminate ignition sources. Remove from the surface of the water using a suitable absorbent
- Containment Methods: Prevent further leaks or spills if it is safe to do so.

7. HANDLING AND STORAGE

- SAFETY PRECAUTIONS FOR HANDLING: Handle and open the bags carefully. DO NOT handle or store near open flames, heat, or ignition. Protect the product from the sun. DO NOT heat empty bags that contain product residues

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- STORAGE: Store in a cool, dry, well-ventilated place, away from heat and ignition sources. Keep away from incompatible materials. Store in accordance with appropriate industry standards.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

General Measures: Store away from food and beverages. Remove contaminated clothing immediately. Do not inhale gas fumes. Avoid contact with skin.

- CONTROL PARAMETERS,

CHEMICAL NAME	OSHA Exposure Limit (PEL)	ACGIH Limit Exposure Value (ELV)
Alkyl (68%C12,32% C14) dimethyl ethyl benzyl ammonium chloride	None	None
Alkyl dimethyl benzyl ammonium chloride (C12-18)	None	None

APPROPRIATE ENGINEERING MEASURES: Local exhaust ventilation is required to keep exposures within applicable limits

ADAPTED ENGINEERING MEASURES: Showers, Eyewash Stations Ventilation Systems

PERSONAL PROTECTIVE EQUIPMENT:

Eye/Face Protection: No special protective equipment required

Skin and body protection: No special protective equipment required.

Respiratory protection: No protective equipment is required under normal use. In case of irritation, ventilation and evacuation may be necessary

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Condition:	Light orange liquid
SMELL:	characteristic smell
DENSITE RELATIVE:	0.905 @ 15 °C.
ph:	N/A
BOILING POINT	N.A
MELTING POINT:	N.A
VAPOR PRESSURE:	N.A
VAPOR DENSITY:	N.A
% VOLATILE ORGANIC COMPOUND (voc)	N.A
EVAPORATION RATE	N.A
SOLUBILITY:	Complete
FLASH POINT AND METHOD	N.A
FLAMABILITY LIMITS	N.A

10. STABILITY. AND RESPONSIVENESS

- CHEMICAL STABILITY: The product is stable under normal conditions
- CONDITIONS TO AVOID: Avoid high temperatures, sparks, and open flames.
- HAZARDOUS POLYMERIZATION: will not occur
- INCOMPATIBILITY: Avoid strong oxidants
- HAZARDOUS DECOMPOSITION PRODUCTS: Powerful oxidizing agents

11. TOXICOLOGICAL DATA

- INFORMATION ON TOXICOLOGICAL EFFECTS:

Acute toxicity:

CHEMICAL NAME	LD50 Oral	LD50 Dermal	LC50 Inhalation
Alkyl (68%C12,32% C14) dimethyl ethyl benzyl ammonium chloride	570 mg/kg (Rat)	>2000mg/kg (Rat)	-
Alkyl dimethyl benzyl ammonium chloride (C12-18)	570 mg/kg (Rat)	>2000mg/kg (Rat)	-

HEALTH EFFECTS

Eyes: Slightly irritating, but does not cause eye damage

Skin: Low toxicity, Frequent or prolonged contact may irritate the skin and cause a rash (dermatitis). Contact with the skin can aggravate dermatitis

Ingestion: Low toxicity, small amounts of fluid drawn into the respiratory system upon ingestion, or subsequent vomiting may cause benign lung involvement.

Inhalation: Exposure to steam or mist can irritate the respiratory tract

EXHIBITION CHRONICLES

CARCINOGENIC No component of this product has been identified as a probable, possible or confirmed carcinogen for humans by IARC.

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MUTAGENICITY No data available
TERATOGENICITY No data available

12. ECOLOGICAL DATA

Ecotoxicity R22 Harmful if swallowed.
Persistence and degradability Not available
Bioaccumulation Not available
OTHER INFORMATION Not available

13. PRODUCT DISPOSAL DATA

Place this product and its container at a hazardous or special waste collection centre. Do not allow this material to flow into sewers/pipes, water supply. Dispose in accordance with all applicable regulations

WASTE AND WASTE/UNUSED Dispose of in accordance with all local, state, and federal regulations

14. TRANSPORTATION INFORMATION

DANGEROUS GOODS (TDG) TRANSPORT: The product is not regulated for road or rail.

IMDG (Sea Transport): The product is not regulated for sea transport.

AIR TRANSPORT (IATA): The product is not regulated for air transport.

15. REGULATORY INFORMATION

The components of this product are listed in the following inventories:

- All components of this product are listed on the DSL.
- Hazardous Materials Information System (WHMIS): NR.

16. OTHER INFORMATION

Date of Issue 23/04/2025
Version 02
Prepared by Regulatory Affairs

We have characterized the general risk of the product according to the USE WE RECOMMEND FOR THIS PRODUCT.

Any use not in accordance with our recommendations may affect the risk characterization.

This product safety data sheet provides health and safety information. The product must be used in applications that comply with our product documentation. Handlers should be informed of the recommended safety precautions and should have access to this information. For all other uses, exposures must be assessed so that appropriate handling practices and training programs can be established to ensure safe workplace operations. For more information, please contact your technical representative.

DISCLAIMER: The above information is based on data believed to be accurate. No warranties, express or implied, are based on the data information. The user is responsible for determining whether the product is suitable for the conditions of use.