

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

**Product Name:** LIQUID K-20 LEMON

**Product Use:** Disinfectant

**WHMIS Class :** REGISTERED PRODUCT

**T.D.G. Classification :** Not regulated by T.D.G.

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

**Manufacturer Name and Address:** Excalibur Chemicals  
 PO Box 1577  
 Regina, SK  
 S4P 3C4

**Telephone Numbers :** (306) 569-2781

## SECTION II - HAZARDOUS INGREDIENTS

**Ingredients**

Alkyl dimethyl benzyl ammonium chloride (C12-18)  
 Alkyl (ethyphenyl )methyl dimethyl chlorides (C12-18)

**CAS#**

68391-01-5  
 68956-79-6

**Wt%**

1-5  
 1-5

## SECTION III - PHYSICAL DATA

**Boiling Point (deg C) :** 96  
**Vapour Pressure (mm Hg) :** Not available  
**Vapour Density (Air = 1) :** Similar  
**Solubility in Water :** Soluble  
**Physical State :** Liquid  
**Appearance and Odour :** Clear yellow, with citrus odour.

**Specific Gravity (H<sub>2</sub>O = 1) :** 1.061  
**Percent Volatile (Wt %) :** 82  
**pH (as supplied) :** 12.3  
**Viscosity :** Water thin

## SECTION IV - FIRE AND EXPLOSION DATA

**Flammability :** Not flammable  
**Flash Point (deg C, method) :** None      **LEL** Not applicable      **UEL** Not applicable  
**Hazardous Combustion Products :** Not applicable  
**Means of Extinction :** Treat for surrounding material.  
**Special Fire Hazards :** None known to us at this time.

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability : Stable.
Incompatible Materials : Strong oxidizing agents.
Hazardous decomposition products : Upon decomposition this product may yield oxides of nitrogen and ammonia.

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry : Eye, Skin contact, Inhalation, Ingestion
Effects of Acute Exposure:
Eye : Contact can cause severe irritation, reddening and swelling of tissues around eyes.
Skin : Contact can cause moderate to high irritation.
Inhalation : Can cause nose, throat and respiratory tract irritation, coughing and headache.
Ingestion : May cause nausea, vomiting and medical problems.

Effects of Chronic Exposure:
Skin : Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Irritancy : Hazardous by WHMIS criteria.
Respiratory Tract Sensitization: No data available
Carcinogenicity: Non-hazardous by WHMIS criteria.
Teratogenicity, Mutagenicity, Reproductive effects: No data available.
Synergistic Materials: Not available.

SECTION VII- PREVENTATIVE MEASURES

Gloves : PVC, Latex rubber or natural rubber. Confirm with reputable supplier first.
Eye protection : Chemical splash goggles.
Respiratory protection : Not normally required if good ventilation is maintained.
Other protective equipment : As required by employer code.
Engineering Controls : General ventilation normally adequate.
Leak and Spill Procedure : Before attempting clean-up, 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 Requirements : Store in closed container. Store away from incompatible materials.

SECTION VIII - FIRST AID

Eye : Immediately flush with water for 15 minutes. Call a doctor.
Skin : Flush with water. Call a doctor if irritation develops. Completely decontaminate clothing, shoes and leather goods before reuse or discard.
Inhalation: Remove to fresh air. If symptoms persist, call a doctor.
Ingestion : Do not induce vomiting. Contact a doctor immediately.

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 (1-800-263-8276) or CSST in Montreal, Quebec (514-873-3990).