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Canadian Centre for Occupational Health and Safety

**RTECS** Registry of Toxic Effects of Chemical Substances®

Data source: MDL Information Systems, Inc.

Record Contents

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REFRESH RECORD

**CHEMICAL IDENTIFICATION**

**RTECS Number** BR8575000

**Chemical Name** Ammonium, methyltrioctyl-, chloride

**CAS Registry Number** 5137-55-3

**Last Updated** 199710

**Data Items Cited** 10

**Molecular Formula** C25-H54-N.Cl

**Molecular Weight** 404.25

**Wiswesser Line Notation** 8K8&8&1 &G

**Compound Descriptor** Primary Irritant

**Synonyms/Trade Names**

N-Methyl-N,N-dioctyl-1-octanaminium chloride

Methyltricaprylammonium chloride  
 Methyltrioctylammonium chloride  
 TOMAC  
 Tricaprylmethylammonium chloride  
 Tricaprylmethylammonium chloride  
 1-Octanaminium, N-methyl-N,N-dioctyl-, chloride  
 Trioctylmethylammonium chloride

## HEALTH HAZARD DATA

### SKIN/EYE IRRITATION DATA

Type of Test	Route of Exposure	Species Observed	Dose Data	Reaction Severity	Reference
Standard Draize test	Administration onto the skin	Rodent - rabbit	0.5 mL	Severe	AEHA** U.S. Army, Environmental Hygiene Agency Reports. (Edgewood Arsenal, MD 21010) Volume(issue)/page/year: 33-3-68/1971

### ACUTE TOXICITY DATA

Type of Test	Route of Exposure	Species Observed	Dose Data	Toxic Effects	Reference
LD50 - Lethal dose, 50 percent kill	Oral	Rodent - rat	223 mg/kg	Gastrointestinal - hypermotility, diarrhea Lungs, Thorax, or Respiration - respiratory depression	AEHA** U.S. Army, Environmental Hygiene Agency Reports. (Edgewood Arsenal, MD 21010) Volume(issue)/page/year: 33-3-68/1971
LD50 - Lethal dose, 50 percent kill	Intraperitoneal	Rodent - rat	6600 ug/kg	Behavioral - muscle weakness	AEHA** U.S. Army, Environmental Hygiene Agency Reports. (Edgewood Arsenal, MD 21010) Volume(issue)/page/year: 33-3-68/1971
LD50 - Lethal dose, 50	Oral	Rodent - mouse	280 mg/kg	Behavioral - muscle weakness	AEHA** U.S. Army, Environmental Hygiene Agency Reports. (Edgewood

percent kill					Arsenal, MD 21010) Volume(issue)/page/year: 33-3-68/1971
LD50 - Lethal dose, 50 percent kill	Intraperitoneal	Rodent - mouse	3300 ug/kg	Behavioral - muscle weakness	AEHA** U.S. Army, Environmental Hygiene Agency Reports. (Edgewood Arsenal, MD 21010) Volume(issue)/page/year: 33-3-68/1971
LDLo - Lowest published lethal dose	Intraperitoneal	Rodent - rabbit	10 mg/kg	Details of toxic effects not reported other than lethal dose value	AEHA** U.S. Army, Environmental Hygiene Agency Reports. (Edgewood Arsenal, MD 21010) Volume(issue)/page/year: 33-3-68/1971
LDLo - Lowest published lethal dose	Intraperitoneal	Rodent - guinea pig	10 mg/kg	Behavioral - muscle weakness	AEHA** U.S. Army, Environmental Hygiene Agency Reports. (Edgewood Arsenal, MD 21010) Volume(issue)/page/year: 33-3-68/1971

**STATUS IN U.S.**

EPA TSCA Section 8(b) CHEMICAL INVENTORY

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 2001

**END OF RECORD**

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