CONTACT : LEONID CHEMICALS
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2-CHLOROTOLUENE

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:
2-Chlorotoluene, 98%

Catalog Numbers: 15020-0000, 15020-0010, 15020-0025, 15020-0050, 15020-5000

Synonyms:
OCT, 1-Chloro-2-methylbenzene

Company Information:
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SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	:	95-49-8
Chemical Name	:	2-Chlorotoluene
%	:	98%
EINECS#	:	202-424-3
Hazard Symbols	:	XN N
Risk Phrases	:	20

SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Harmful by inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Potential Health Effects

Eye:
May cause eye irritation.
Skin:
May cause skin irritation.
Ingestion:
May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.
Inhalation:
Harmful if inhaled.
Chronic:
Not available.

SECTION 4- FIRST AID MEASURES

Eyes:
Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:
Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:
If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation:
Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician:
Un Listed

SECTION 5- FIRE FIGHTING MEASURES

General Information:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Flammable liquid and vapor.

Extinguishing Media:
In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use agent most appropriate to extinguish fire.

SECTION 6- ACCIDENTAL RELEASE MEASURES

General Information:
Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:
Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool.

SECTION 7 - HANDLING and STORAGE

Handling:
Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep away from heat, sparks and flame.

Storage:
Keep away from heat, sparks, and flame. Store in a cool, dry place. Store in a tightly closed container. Flammables-area.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:
Use adequate ventilation to keep airborne concentrations low.

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Personal Protective Equipment
Eyes:
Wear chemical goggles. Wear safety glasses and chemical goggles if splashing is possible.
Skin:
Wear appropriate protective gloves to prevent skin exposure.
Clothing:
Wear appropriate protective clothing to minimize contact with skin.
Respirators:
Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Clear liquid
Color	:	APHA: 15 max
Odor	:	Not available.
pH	:	Not available.
Vapor Pressure	:	3.5 mbar @ 20 deg C
Viscosity	:	Not available.
Boiling Point	:	157 - 159 deg C @ 760.00mm Hg
Freezing/Melting Point	:	-36 deg C
Autoignition Temperature	:	> 450 deg C (> 842.00 deg F)
Flash Point	:	47 deg C (116.60 deg F)
Explosion Limits, lower	:	Not available.
Explosion Limits, upper	:	Not available.
Decomposition Temperature	:	Un Listed
Solubility in water	:	slightly soluble in water
Specific Gravity/Density	:	1.0830g/cm3
Molecular Formula	:	CH3C6H4Cl
Molecular Weight	:	126.59

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:
Stable under normal temperatures and pressures.
Conditions to Avoid:
Incompatible materials, ignition sources.
Incompatibilities with Other Materials:
Strong oxidizing agents.
Hazardous Decomposition Products:
Hydrogen chloride, carbon monoxide, carbon dioxide.
Polymerization:
Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:
CAS# 95-49-8: Xs9000000

LD50/LC50:
CAS# 95-49-8: Draize test, rabbit, eye: 50 uL Moderate; Oral, mouse: LD50 = 2500 mg/kg; Oral, rat: LD50 = 3900 mg/kg.

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Carcinogenicity:
2-Chlorotoluene -
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
See actual entry in RTECS for complete information.s

Other:
Un Listed

SECTION 12 - ECOLOGICAL INFORMATION

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

IATA

Shipping Name	:	CHLOROTOLUENES
Hazard Class	:	3
UN Number	:	2238
Packing Group	:	III

IMO

Shipping Name	:	CHLOROTOLUENES
Hazard Class	:	3
UN Number	:	2238
Packing Group	:	III

ID/ADR

Shipping Name	:	CHLOROTOLUENES
Hazard Class	:	3
UN Number	:	2238
Packing Group	:	III

SECTION 15 - REGULATORY INFORMATION

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols:
XN N

Risk Phrases:
R 20 Harmful by inhalation.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:
S 24/25 Avoid contact with skin and eyes.
S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

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WGK (Water Danger/Protection)
CAS# 95-49-8: 2

United Kingdom Occupational Exposure Limits
CAS# 95-49-8: OES-United Kingdom, TWA 50 ppm TWA; 264 mg/m3 TWA

United Kingdom Maximum Exposure Limits

Canada
CAS# 95-49-8 is listed on Canada's DSL List.
CAS# 95-49-8 is listed on Canada's Ingredient Disclosure List.

Exposure Limits
CAS# 95-49-8: OEL-AUSTRALIA:TWA 50 ppm (250 mg/m3);STEL 75 ppm (375 mg/m3)
OEL-BELGIUM:TWA 50 ppm (259 mg/m3);STEL 75 ppm (388 mg/m3)
OEL-DENMARK:TWA 50 ppm (250 mg/m3);Skin
OEL-FINLAND:TWA 50 ppm (260 mg/m3);STEL 75 ppm (390 mg/m3);Skin
OEL-FRANCE:TWA 50 ppm (250 mg/m3)
OEL-THE NETHERLANDS:TWA 50 ppm (250 mg/m3);Skin
OEL-RUSSIA:STEL 10 mg/m3;Skin
OEL-SWITZERLAND:TWA 50 ppm (250 mg/m3);Skin
OEL-UNITED KINGDOM:TWA 50 ppm (250 mg/m3)
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

US FEDERAL
TSCA
CAS# 95-49-8 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

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