



MATERIAL SAFETY DATA SHEET

CHLOROACETIC ACID CERTIF

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:
Chloroacetic Acid Certif 500g

Catalog Numbers: C/4360, C/4400

Synonyms:
Un Listed

Company Information:
LEONID CHEMICALS
62/A-2 1st Stage, Yeshwanthpur Industrial Suburb
Ashokpuram School Road
Bangalore-560 022, Karnataka, INDIA
Ph: +91-80-2337 8354, Fax: +91-80-2357 4827

SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	:	79-11-8
Chemical Name	:	CHLOROACETIC ACID
%	:	unlisted
EINECS#	:	201-178-4
Hazard Symbols	:	T
Risk Phrases	:	25 34

SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Toxic if swallowed. Causes burns.

Potential Health Effects

The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

SECTION 4- FIRST AID MEASURES

Eyes:

Not available.

Skin:

Not available.

Ingestion:

Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation:

Not available.

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.

Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

SECTION 6- ACCIDENTAL RELEASE MEASURES

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Sweep up, then place into a suitable container for disposal.

SECTION 7 - HANDLING and STORAGE

Handling:

Not available.

Storage:

Not available.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment

Eyes:

Wear safety glasses and chemical goggles if splashing is possible.

Skin:

Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing:

Not available.

Respirators:

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Solid
Color	:	Colorless or white deliquescent crystals
Odor	:	Vinegar odor.
pH	:	1.93 (0.1M)
Vapor Pressure	:	.75 mm Hg @ 20C
Viscosity	:	2.16 cp@70C
Boiling Point	:	189 deg C
Freezing/Melting Point	:	62 deg C

Autoignition Temperature : 932 deg F (500.00 deg C)
Flash Point : 126 deg C (258.80 deg F)
Explosion Limits, lower : Not available.
Explosion Limits, upper : Not available.
Decomposition Temperature : Not available.
Solubility in water : 41%
Specific Gravity/Density : 1.404 (water=1)
Molecular Formula : C2H3ClO2
Molecular Weight : 94.4728

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, exposure to moist air or water.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong reducing agents, strong bases, metals, amines.

Hazardous Decomposition Products:

Hydrogen chloride, phosgene, carbon monoxide, carbon dioxide.

Polymerization:

Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 79-11-8: Af8575000

LD50/LC50:

CAS# 79-11-8: Inhalation, rat: LC50 = 180 mg/m³; Oral, rat: LD50 = 55 mg/kg.

Carcinogenicity:

CHLOROACETIC ACID -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

Other:

Un Listed

SECTION 12 - ECOLOGICAL INFORMATION

Un Listed

SECTION 13 - DISPOSAL CONSIDERATIONS

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

SECTION 14 - TRANSPORT INFORMATION

IATA

Shipping Name : CHLOROACETIC ACID, SOLID
Hazard Class : 6.1

UN Number : 1751
Packing Group : II

IMO
Shipping Name : CHLOROACETIC ACID, SOLID
Hazard Class : 6.1
UN Number : 1751
Packing Group : II

ID/ADR
Shipping Name : CHLOROACETIC ACID, SOLID
Hazard Class : 6.1
UN Number : 1751
Packing Group : II

USA RQ: CAS# 79-11-8: 1 lb statutory RQ; 0.454 kg statutory RQ; 100 lb final RQ; 45.4 kg final Rq-

SECTION 15 - REGULATORY INFORMATION

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

Risk Phrases:
R 25 Toxic if swallowed.
R 34 Causes burns.

Safety Phrases:
S 23 Do not inhale gas/fumes/vapour/spray.
S 37 Wear suitable gloves.

WGK (Water Danger/Protection)
CAS# 79-11-8: 2

United Kingdom Occupational Exposure Limits
CAS# 79-11-8: OES-United Kingdom, TWA 0.3 ppm TWA; 1.2 mg/m³ TWA

United Kingdom Maximum Exposure Limits

Canada
CAS# 79-11-8 is listed on Canada's DSL List.
CAS# 79-11-8 is listed on Canada's Ingredient Disclosure List.
Exposure Limits
CAS# 79-11-8: OEL-CZECHOSLOVAKIA: TWA 0.5 mg/m³; STEL 1 mg/m³
OEL-RUSSIA: STEL 1 mg/m³
OEL-UNITED KINGDOM: TWA 0.3 ppm; STEL 1 ppm; Skin

US FEDERAL
TSCA
CAS# 79-11-8 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.

