

SECTION-1: Identification of the substance / mixture and the company / undertaking

Catalogue Number	CS-T-50749
Product Name	Chloroformic Acid Methyl Ester
CAS No.	79-22-1
Category	Intermediate
Synonyms	Methyl Chloroformate
Brand	Clearsynth Labs Ltd.
Identified uses	Laboratory Chemicals
Uses advised against	Not available
Company	Clearsynth Labs Ltd. Mumbai, India
Emergency Phone #	+91-22-245045900
REACH No.	Not available

SECTION 2: Hazards identification

Disclaimer: This is sample MSDS. Please email sales@clearsynth.com for more details.

2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Acute toxicity (Category 4)

2.2 Label Elements

Signal Word: Warning



Hazard Statement(s)

Code	Statement
H225	Not available
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Not available

H330	Not available
H300+H330	Not available
H300	Not available
H318	Causes serious eye damage.
H301	Not available
H371	Not available

Precautionary Statement(s)

Code	Statement
P210	Not available
P233	Not available
P240	Not available
P241	Not available
P242	Not available
P243	Not available
P260	Not available
P264	Wash hands thoroughly after handling.
P270	Not available
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	Not available
P301+P317	Not available
P301+P330+P331	Not available
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P302+P361+P354	Not available
P303+P361+P353	Not available
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P354+P338	Not available
P316	Not available
P317	Not available

P320	Not available
P321	Specific treatment (see ... on this label).
P330	Not available
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Not available
P370+P378	Not available
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Not available
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation
P264+P265	Not available
P301+P316	Not available
P308+P316	Not available

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Chloroformic Acid Methyl Ester

CAS Number : 79-22-1

Molecular Formula : C2H3ClO2

Molecular Weight : 94.5

Parent Chemical : Diroximel Fumarate

Synonyms : Methyl Chloroformate

Concentration : Not available

SECTION 4: First aid measures

Not available

SECTION 5: Firefighting measures

Not available

SECTION 6: Accidental release measures

Not available

SECTION-7: Handling and storage

Not available

SECTION 8: Exposure controls / personal protection

Not available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available

Property	Value
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

SECTION 10: Stability and reactivity

Not available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: LC50 (rat) = 88 ppm/1h LD50 Rat oral <0.05 g/kg
- Skin corrosion/irritation: ... HIGHLY CORROSIVE AND IRRITANT TO SKIN ... HIGHLY CORROSIVE AND IRRITANT TO SKIN AND EYES ...
- Serious eye damage/eye irritation: HUMANS EXPOSED TO METHYL CHLOROFORMATE HAVE EXPERIENCED RESPIRATORY TRACT AND EYE IRRITATION, EVEN PERSISTING AFTER CESSATION OF EXPOSURE. SKIN SENSITIZATION MAY OCCUR, ALTHOUGH EMPLOYEES IN CHEMICAL MANUFACTURING PLANT SHOWED NO HEALTH EFFECTS NOR POSITIVE LAB FINDINGS FROM BLOOD AND LIVER FUNCTION TESTS.
- Respiratory or skin sensitization: HUMANS EXPOSED TO METHYL CHLOROFORMATE HAVE EXPERIENCED RESPIRATORY TRACT AND EYE IRRITATION, EVEN PERSISTING AFTER CESSATION OF EXPOSURE. SKIN SENSITIZATION MAY OCCUR, ALTHOUGH EMPLOYEES IN CHEMICAL MANUFACTURING PLANT SHOWED NO HEALTH EFFECTS NOR POSITIVE LAB FINDINGS FROM BLOOD AND LIVER FUNCTION TESTS.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: No data available.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: METHYL CHLOROFORMATE CAUSED INFLAMMATION, SUPPURATION, & POISONING WHEN INTRODUCED INTO CONJUNCTIVAL SAC OF ANIMALS. CHRONIC INHALATION TESTS SHOWED THE HIGHEST INEFFECTIVE CONCN ARE 0.185 MG/CU M FOR MICE & 0.197 MG/CU M FOR RATS.
- Aspiration hazard: No data available.

Likely routes of exposure

- ... IT IS HIGHLY IRRITANT AND CORROSIVE BY INGESTION, INHALATION, OR EYE ... CONTACT. CONCN OF 10 PPM (5.28 MG/CU M) HAVE CAUSED LACRIMATION AND A CONCN OF 190 PPM (1 MG/L) HAS BEEN LETHAL IN 10 MIN.

Symptoms related to the physical, chemical and toxicological characteristics

- Burning sensation. Cough. Laboured breathing. Shortness of breath. Sore throat. Symptoms may be delayed.

SECTION 12: Ecological information

Not available

SECTION 13: Disposal considerations

Not available

SECTION 14: Transport information

Not available

SECTION 15: Regulatory information

Not available

SECTION 16: Other information

Not available

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