

2-Chloropropionyl Chloride 7623-09-8 MSDS

Section 1 - Chemical Product MSDS Name:2-Chloropropionyl chloride 95%(gc) Material Safety Data Sheet

Synonym:

Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content
7623-09-8	2-CHLOROPROPIONYL CHLORIDE	

Hazard Symbols: C

Risk Phrases: 10 35

Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Flammable. Causes severe burns.The toxicological properties of this material have not been fully investigated.Stench.

Potential Health Effects

Eye:

Causes severe eye burns. Lachrymator (substance which increases the flow of tears). Lachrymator (substance which increases the flow of tears).

Skin:

Causes severe burns with delayed tissue destruction.

Ingestion:

Causes gastrointestinal tract burns. The toxicological properties of this substance have not been fully investigated.

Inhalation:

Causes chemical burns to the respiratory tract. The toxicological properties of this substance have not been fully investigated.

Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.

Chronic:

Not available.

Section 4 - FIRST AID MEASURES

Eyes: Immediately 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 immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

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:

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. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire.

Extinguishing Media:

Do NOT use water directly on fire. Use foam, dry chemical, or carbon dioxide.

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:

Use spark-proof tools and explosion proof equipment. Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.

Storage:

Keep away from sources of ignition. 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.

Exposure Limits CAS# 7623-09-8: Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: clear colorless to faint yellow

Odor: Stench
pH: Not available.
Vapor Pressure: 28 mbar @20 deg C
Viscosity: Not available.
Boiling Point: 109 - 111 deg C @ 760.00mm Hg
Freezing/Melting Point: -71 deg C
Autoignition Temperature: 510 deg C (950.00 deg F)
Flash Point: 31 deg C (87.80 deg F)
Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature:
Solubility in water: may decompose
Specific Gravity/Density: 1.3080g/cm3
Molecular Formula: C3H4Cl2O
Molecular Weight: 126.97

Section 10 - STABILITY AND REACTIVITY

Chemical Stability:

Not available.

Conditions to Avoid:

Incompatible materials, exposure to moist air or water.

Incompatibilities with Other Materials:

Strong bases, alcohols, oxidizing agents, amines.

Hazardous Decomposition Products:

Hydrogen chloride, phosgene, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 7623-09-8 unlisted.

LD50/LC50:

Not available.

Carcinogenicity:

2-CHLOROPROPIONYL CHLORIDE - Not listed by ACGIH, IARC, or NTP.

Section 12 - ECOLOGICAL INFORMATION

Other No information available.

Section 13 - DISPOSAL CONSIDERATIONS

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

Section 14 - TRANSPORT INFORMATION

Shipping Name: CORROSIVE LIQUID, FLAMMABLE, N.O.S.*

Hazard Class: 8 (3)

UN Number: 2920

Packing Group: II

IMO

Shipping Name: CORROSIVE LIQUID, FLAMMABLE, N.O.S.

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RID/ADR

Shipping Name: CORROSIVE LIQUID, FLAMMABLE, N.O.S.

Hazard Class: 8

UN Number: 2920

Packing group: II

Section 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: C

Risk Phrases:

R 10 Flammable.

R 35 Causes severe burns.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.

S 25 Avoid contact with eyes.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 7623-09-8: 2

Canada

CAS# 7623-09-8 is listed on Canada's NDSL List.

CAS# 7623-09-8 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 7623-09-8 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

N/A