



2-CHLOROPHENYL CHLOROFORMATE

Version 1, Revision: 06/01/2017

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SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING		
Product identifiers	Product name: 2-Chlorophenyl chloroformate	Product Code: GEO-03777 CAS-No. : 19358-41-9
Relevant identified uses of the substance or mixture and uses advised against	Identified uses : Laboratory chemicals, Manufacture of substances	
Company Identification:	Georganics Ltd., Koreničova 1, 811 03 Bratislava, Slovak Republic	
	Phone Number: +421 33 6403132, Fax Number: +421 33 6403133, E-mail address: georganics@georganics.sk	
Emergency Number Slovakia:	National Toxicological Information Centre Tel: +421-2-54774166, Mob: +421 911 166 066	

SECTION 2 - HAZARDS IDENTIFICATION	
Classification of the substance or mixture	
Classification according to Regulation (EC) No 1272/2008	
Acute toxicity, Inhalation (Category 3), H331	
Acute toxicity, Dermal (Category 3), H311	
Acute toxicity, Oral (Category 3), H301	
Skin corrosion (Category 1B), H314	
Label elements	
Labelling according Regulation (EC) No 1272/2008	
GHS pictogram:	H301 - Toxic if swallowed. H311 - Toxic in contact with skin. H314 - Causes severe skin burns and eye damage. H331 - Toxic if inhaled. P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor/ physician. Other hazards: Lachrymator.
 	
Signal word:	
Danger	

SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS					
Synonyms	Formula	Molecular Weight	Assay (%)	CAS#	EC-No.
	C7H4Cl2O2	191,01g/mol	-	19358-41-9	-

SECTION 4 - FIRST AID MEASURES	
Eyes:	Rinse opened eye for at least 15 minutes under running water. Get medical aid.
Skin:	Instantly wash with water and soap and rinse thoroughly. Get medical aid.
Ingestion:	Get medical aid. Wash mouth out with water.
Inhalation:	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If required, provide artificial respiration. Get medical aid.

SECTION 5 - FIRE FIGHTING MEASURES	
Suitable extinguishing agents	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin/eyes.
Unusual fire and explosions hazards:	During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.

SECTION 6 - ACCIDENTAL RELEASE MEASURES	
Person-related safety precautions:	Wear protective equipment as indicated in section 8. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash spill site after material pickup is complete.
Environmental precautions	Do not let this chemical enter the environment.
Additional information:	See Section 7 for information on safe handling. See section 8 for information on personal protection equipment. See Section 13 for information on disposal.

SECTION 7 - HANDLING AND STORAGE	
Handling:	Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Ensure adequate ventilation.
Storage:	Store in a dry, cool and well ventilated place. Keep container closed when not in use. Recommended storage temperature: 2 - 8 °C. See Section 10 for stability and reactivity information.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels. Safety shower and eye bath.
Personal Protective Equipment	
Eyes:	Wear chemical safety glasses.
Skin:	Wear appropriate protective gloves and clothing to prevent skin exposure.
Clothing:	Wear appropriate protective work clothing.
Respirators:	Use breathing protection with high concentrations.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid	Flash Point:	110 °C - closed cup
Color:	Clear colorless	Specific Gravity/Density:	Not available
Boiling Point:	221 °C (lit.)	Molecular Formula:	C7H4Cl2O2
Freezing/Melting Point:	Not available	Molecular Weight:	191,01

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Incompatible Materials:	Strong oxidizing agents
Conditions to avoid:	Incompatible products
Hazardous Decomposition Products:	Carbon oxides, hydrogen chloride gas

SECTION 11 - TOXICOLOGICAL INFORMATION

Carcinogenicity:	There are no known carcinogenic chemicals in this product. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
Potential Health Effects:	May cause allergy or asthma symptoms or breathing difficulties if inhaled. Inhalation may cause respiratory irritation. May be harmful if inhaled, swallowed or absorbed through skin. May causes serious eye irritation.
Other:	The toxicological properties have not been fully investigated.

SECTION 12 - ECOLOGICAL INFORMATION

No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORT INFORMATION

	IATA	IMDG/IMO	RID/ADR
Shipping Name:	CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S. (2-Chlorophenyl chloroformate)	CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S. (2-Chlorophenyl chloroformate)	CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S. (2-Chlorophenyl chloroformate)
Hazard Class:	6.1 (8)	6.1 (8)	6.1 (8)
UN Number:	3277	3277	3277
Packing Group:	II	II	II

SECTION 15 - REGULATORY INFORMATION**This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.**

Canadian DSL/NDSL	CAS# 19358-41-9 is not listed on Canada's DSL or NDSL List.
US Federal TSCA	CAS# 19358-41-9 is not listed on the TSCA Inventory. It is for research and development use only.

SECTION 16 - OTHER INFORMATION**WARRANTY**

The information contained in the SDS are compiled according to the present knowledge of the manufacturer. It does not represent any guarantee of the properties of the product. SDS shall be used only as a guide. Georganics Ltd. is not liable for damages incurred in the handling or contact with chemicals.