



SAFETY DATA SHEET

4-METHOXYCARBONYLPHENYL CHLOROFORMATE

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SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

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: 00421-2-54774166 Mobil: +421 911 166 066	

SECTION 2 - HAZARDS IDENTIFICATION

GHS pictogram: 	H302 - Harmful if swallowed H312 - Harmful in contact with skin H314 - Causes severe skin burns and eye damage H318 - Causes serious eye damage. H332 - Harmful if inhaled
Signal word: Danger	P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P280 - Wear protective gloves/protective clothing/eye protection/face protection P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting P302 + P352 - IF ON SKIN: Wash with plenty of soap and water P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	Assay (%)	EINECS#
31140-40-6	4-Methoxycarbonylphenyl chloroformate	95+	250-483-9

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:	Wash mouth out with water. Get medical aid.
Inhalation:	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If required, provide artificial respiration.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable extinguishing agents	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide or appropriate agents.
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. Wash spill site after material pickup is complete.
Environmental precautions	Should not be released into 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. Avoid dust formation. Avoid breathing dust/fume/gas/mist/vapors/spray
Storage:	Store in a dry, cool and well ventilated place. Keep container closed when not in use. Keep refrigerated. See Section 10 for more 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

State:	Crystalline powder	Flash Point:	>110 °C
Color:	White	Refractive Index:	Not available
Boiling Point:	103 - 106 °C	Molecular Formula:	C ₉ H ₇ ClO ₄
Freezing/Melting Point:	51 - 53 °C	Molecular Weight:	241,60

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Incompatible Materials:	Strong oxidants
Conditions to avoid:	Incompatible products, moisture
Hazardous Decomposition Products:	Carbon oxide, hydrogen chloride

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:	Inhalation may cause respiratory irritation. May be harmful if inhaled, swallowed or absorbed through skin.
Other:	The toxicological properties have not been fully investigated.

SECTION 12 - ECOLOGICAL INFORMATION

Do not let product enter drains.

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:	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
Hazard Class:	8	8	8
UN Number:	3261	3261	3261
Packing Group:	II	II	II

SECTION 15 - REGULATORY INFORMATION**European/International Regulations**

European Labeling in Accordance with EC Directives

Hazard Symbols: C - corrosive

Risk Phrases: R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed
R34 - Causes burns

Safety Phrases: S26 - In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

S36/37/39 - Wear suitable protective clothing, gloves and eye / face protection.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Canadian DSL/NDSL

CAS# 31140-40-6 is not listed on Canada's DSL or NDSL List.

US Federal TSCA

CAS# 31140-40-6 is not listed on the TSCA Inventory.

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.