



SAFETY DATA SHEET  
**DIETHYL CHLOROPHOSPHATE**


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**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

<b>Company Identification:</b>	<b>Georganics Ltd.</b> Koreničova 1 811 03 Bratislava Slovak Republic	Phone Number: +421 33 6403132 Fax Number: +421 33 6403133 E-mail address: georganics@georganics.sk
<b>Emergency Number, Slovakia:</b>	National Toxicological Information Centre Tel: 00421-2-54774166 Mobil: +421 911 166 066	

**SECTION 2 - HAZARDS IDENTIFICATION**

<b>GHS pictogram:</b>	H300 + H310 + H330 - Fatal if swallowed, in contact with skin or if inhaled
	P260 - Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves/ protective clothing. P284 - Wear respiratory protection.
<b>Signal word:</b>	P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
<b>Danger</b>	P302 + P350 - IF ON SKIN: Gently wash with plenty of soap and water.

**SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS**

CAS#	Chemical Name	Assay (%)	EINECS#
814-49-3	Diethyl chlorophosphate	Min. 97%	212-396-4

**SECTION 4 - FIRST AID MEASURES**

<b>Eyes:</b>	Rinse opened eye for at least 15 minutes under running water. Get medical aid.
<b>Skin:</b>	Instantly wash with water and soap and rinse thoroughly. Get medical aid.
<b>Ingestion:</b>	Get medical aid. Wash mouth out with water.
<b>Inhalation:</b>	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**

<b>Suitable extinguishing agents:</b>	Use dry chemical, carbon dioxide, alcohol-resistant foam, sand or powder to extinguish fire.
<b>Protective equipment:</b>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin/eyes.
<b>Unusual fire and explosions hazards:</b>	During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

<b>Person-related safety precautions:</b>	Wear protective equipment as indicated in section 8. Ensure adequate ventilation. Avoid dust formation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash spill site after material pickup is complete.
<b>Environmental precautions</b>	Should not be released into the environment.
<b>Additional information:</b>	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**

<b>Handling:</b>	Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Avoid dust formation.
<b>Storage:</b>	Store under inert gas. Store in a dry, cool and well ventilated place. Keep away from sources of ignition - No smoking. Keep container closed when not in use. Handle under inert gas. Protect from moisture. Moisture sensitive. See Section 10 for stability and reactivity information.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

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

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form:</b>	Liquid	<b>Flash Point:</b>	Not available
<b>Color:</b>	Clear colourless to light brown	<b>Solubility:</b>	Not available
<b>Boiling Point:</b>	60 °C at 3 hPa - lit.	<b>Molecular Formula:</b>	C4H10ClO3P
<b>Freezing/Melting Point:</b>	Not available	<b>Molecular Weight:</b>	172,55

**SECTION 10 - STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Stable under normal temperatures and pressures.
<b>Incompatible Materials:</b>	Strong oxidizing agents, strong bases
<b>Conditions to avoid:</b>	Incompatible products, heat, flame, sparks, moisture sensitive
<b>Hazardous Decomposition Products:</b>	Carbon oxides, oxides of phosphorus, hydrogen chloride gas

**SECTION 11 - TOXICOLOGICAL INFORMATION**

<b>Carcinogenicity:</b>	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.
<b>Potential Health Effects</b>	Fatal if swallowed. Causes severe skin burns and eye damage. Inhalation may cause respiratory irritation.
<b>Other:</b>	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**

	<b>IATA</b>	<b>IMDG/IMO</b>	<b>RID/ADR</b>
<b>Shipping Name:</b>	ORGANOPHOSPHORUS COMPOUND, TOXIC, LIQUID, N.O.S.	ORGANOPHOSPHORUS COMPOUND, TOXIC, LIQUID, N.O.S.	ORGANOPHOSPHORUS COMPOUND, TOXIC, LIQUID, N.O.S.
<b>Hazard Class:</b>	6.1	6.1	6.1
<b>UN Number:</b>	3278	3278	3278
<b>Packing Group:</b>	I	I	I

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

European Labeling in Accordance with EC Directives

Hazard Symbols: T+ Very toxic

Risk Phrases: R26/27/28 - Very toxic by inhalation, in contact with skin and if swallowed.

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# 814-49-3 is listed on Canada's DSL or NDSL List.

US Federal TSCA CAS# 814-49-3 is 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.*