



SAFETY DATA SHEET

ETHYL 2-ISOCYANATOACETATE

Version 2, Revision: 06/05/2015

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SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING		
Product identifiers		
Product name: Ethyl 2-isocyanatoacetate	Product Code: GEO-03266	CAS-No. : 2949-22-6
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, Oral (Category 4), H302	
Skin irritation (Category 2), H315	
Eye irritation (Category 2), H319	
Respiratory sensitisation (Category 1), H334	
Skin sensitisation (Category 1), H317	
Specific target organ toxicity - single exposure (Category 3), H335	
Classification according to EU Directives 67/548/EEC or 1999/45/EC	
Xn - Harmful R36/37/38 - Irritating to eyes, respiratory system and skin. R42 - May cause sensitization by inhalation	
Label elements	
Labelling according Regulation (EC) No 1272/2008	
GHS pictogram:	H302 - Harmful if swallowed H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 - May cause respiratory irritation.
 	
Signal word:	P261 - Avoid breathing vapours. P280 - Wear protective gloves.
Danger	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Other hazards Lachrymator

SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS					
Synonyms	Formula	Molecular Weight	Assay (%)	CAS#	EC-No.
Ethyl 2-isocyanatoacetate	C5H7NO3	129,12 g/mol	-	2949-22-6	220-967-4

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	For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.
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. Moisture sensitive. 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:	Not available
Color:	Colourless	Specific Gravity/Density:	Not available
Boiling Point:	Not available	Molecular Formula:	C5H7NO3
Freezing/Melting Point:	Not available	Molecular Weight:	129,12

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Incompatible Materials:	Strong oxidizing agents, Water, Alcohols, Strong bases, Amines, acids
Conditions to avoid:	Incompatible products, moisture, heat, flames, sparks
Hazardous Decomposition Products:	Carbon oxides, nitrogen oxides

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:	ISOCYANATES, TOXIC, N.O.S (Ethyl 2-isocyanatoacetate)	ISOCYANATES, TOXIC, N.O.S (Ethyl 2-isocyanatoacetate)	ISOCYANATES, TOXIC, N.O.S (Ethyl 2-isocyanatoacetate)
Hazard Class:	6.1	6.1	6.1
UN Number:	2206	2206	2206
Packing Group:	III	III	III

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

Canadian DSL/NDSL	CAS# 2949-22-6 is listed on Canada's DSL or NDSL List.
US Federal TSCA	CAS# 2949-22-6 is 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.