


# 3-CHLORO-5-TRIFLUOROMETHYLPYRIDINE-2-CARBOXYLIC ACID ETHYL ESTER

Version 1, Date: 09/08/2016

Page 1/2

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	
<b>Product identifiers</b>	Product name: 3-Chloro-5-trifluoromethylpyridine-2-carboxylic acid ethyl ester Product Code: GEO-03228 CAS-No. : 128073-16-5
<b>Relevant identified uses of the substance or mixture and uses advised against</b>	Identified uses : Laboratory chemicals, Manufacture of substances
<b>Company Identification:</b>	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
<b>Emergency Number Slovakia:</b>	National Toxicological Information Centre Tel: +421-2-54774166, Mob: +421 911 166 066

SECTION 2 - HAZARDS IDENTIFICATION	
<b>GHS pictogram:</b>	H302 - Harmful if swallowed. H312 - Harmful in contact with skin. H315 - Causes skin irritation. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P271 - Use only outdoors or in a well-ventilated area.
<b>Signal word:</b>	H319 - Causes serious eye irritation. H332 - Harmful if inhaled. H335 - May cause respiratory irritation.
<b>Warning</b>	

SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS					
Synonyms	Formula	Molecular Weight	Assay (%)	CAS#	EC-No.
-	C7H3ClF3NO2	225,55 g/mol	-	128073-16-5	-

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.
<b>Protection of first-aiders:</b>	A rescuer should wear personal protective equipment, such as rubber gloves and airtight goggles.

SECTION 5 - FIRE FIGHTING MEASURES	
<b>Suitable extinguishing agents:</b>	Carbon dioxide, dry chemical powder, foam. Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
<b>Specific hazards arising from the chemical:</b>	Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.
<b>Precautions for firefighters:</b>	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6 - ACCIDENTAL RELEASE MEASURES	
<b>Personal precautions, protective equipment and emergency procedures:</b>	Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
<b>Methods and materials for containment and cleaning up</b>	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
<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>Precautions for safe handling:</b>	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.
<b>Conditions for safe storage, including any incompatibilities:</b>	Store in a dry, cool and well ventilated place. Keep container closed when not in use. Store under Argon. 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>Respiratory protection:</b>	Dust respirator, self-contained breathing apparatus (SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.
<b>Eye protection:</b>	Wear chemical safety glasses.
<b>Hand protection:</b>	Impervious gloves.
<b>Skin and body protection:</b>	Wear appropriate protective work clothing.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Liquid	<b>Flash Point:</b>	No data available
<b>Color:</b>	No data available	<b>Molecular Formula:</b>	C7H3ClF3NO2
<b>Initial boiling point and boiling range:</b>	64-66°	<b>Molecular Weight:</b>	225,55

## SECTION 10 - STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under normal temperatures and pressures.
<b>Possibility of hazardous reactions:</b>	No special reactivity has been reported.
<b>Incompatible Materials:</b>	Strong oxidizing agents, strong acids
<b>Conditions to avoid:</b>	Incompatible products, Heat.
<b>Hazardous Decomposition Products:</b>	Carbon oxides, Nitrogen oxides, Hydrogen chloride, Hydrogen fluoride

## SECTION 11 - TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available
<b>Skin corrosion/irritation:</b>	No data available
<b>Serious eye damage/irritation:</b>	No data available
<b>Germ cell mutagenicity:</b>	No data available
<b>Carcinogenicity:</b>	IARC = No data available NTP = No data available
<b>Reproductive toxicity:</b>	No data available

## SECTION 12 - ECOLOGICAL INFORMATION

<b>Mobility in soil:</b>	No data available
<b>Serious eye damage/irritation:</b>	No data available
<b>Toxicity:</b>	No data available

## SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Waste treatment methods</b>	
<b>Product:</b>	Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
<b>Contaminated packaging:</b>	Dispose of as unused product. Dispose of in a manner consistent with federal, state, and local regulations.

## SECTION 14 - TRANSPORT INFORMATION

<b>IATA</b>	<b>IMO</b>	<b>RID/ADR</b>
<b>Not regulated</b>	<b>Not regulated</b>	<b>Not regulated</b>

## SECTION 15 - REGULATORY INFORMATION

<b>This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.</b>	
Canadian DSL/NDSL	CAS# 128073-16-5 is not listed on Canada's DSL or NDSL List.
US Federal TSCA	CAS# 128073-16-5 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.*