


# 2-FLUORO-5-FORMYLBENZOIC ACID

Version 1, Revision: 06/05/2016

Page 1/2

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING		
<b>Product identifiers</b>		
Product name:	2-Fluoro-5-formylbenzoic acid	Product Code: GEO-03744 CAS-No. : 550363-85-4
<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>Classification of the substance or mixture</b>	
<b>Classification according to Regulation (EC) No 1272/2008</b>	
Acute oral toxicity (Category 4)	
Acute dermal toxicity (Category 4)	
Acute Inhalation Toxicity - Dusts and Mists (Category 4)	
Skin Corrosion/irritation (Category 2)	
Serious Eye Damage/Eye Irritation (Category 2)	
Specific target organ toxicity- (single exposure) (Category 3)	
<b>According to European Directive 67/548/EEC as amended.</b>	
Harmful by inhalation, incontact with skin and if swallowed. Irritating to eyes, respiratory system and skin	
<b>Label elements</b>	
Labelling according Regulation (EC) No 1272/2008	
<b>GHS pictogram:</b>	H302 - Harmful if swallowed H312 - Harmful in contact with skin H315 - Causes skin irritation H319 - Causes serious eye irritation H332 - Harmful if inhaled
	
<b>Signal word:</b>	H335 - May cause respiratory irritation
<b>Warning</b>	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 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing 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					
Synonyms	Formula	Molecular Weight	Assay (%)	CAS#	EC-No.
	C8H5FO3	168,12g/mol	-	550363-85-4	-

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. Get medical aid.

SECTION 5 - FIRE FIGHTING MEASURES	
<b>Suitable extinguishing agents</b>	Water spray, carbon dioxide (CO2),Dry chemical, chemical foam
<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.
<b>Environmental precautions:</b>	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash spill site after material pickup is complete.
<b>Additional information:</b>	Do not let this chemical enter the environment. 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. Ensure adequate ventilation.
<b>Storage:</b>	Store in a dry, cool and well ventilated place. Keep container closed when not in use. 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>	Solid	<b>Flash Point:</b>	Not available
<b>Color:</b>	Light yellow	<b>Specific Gravity/Density:</b>	Not available
<b>Boiling Point:</b>	Not available	<b>Molecular Formula:</b>	C8H5FO3
<b>Freezing/Melting Point:</b>	175 - 178°C	<b>Molecular Weight:</b>	168,12

**SECTION 10 - STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Stable under normal temperatures and pressures.
<b>Incompatible Materials:</b>	Strong oxidizing agents, strong bases, amines, strong reducing agents
<b>Conditions to avoid:</b>	Incompatible products
<b>Hazardous Decomposition Products:</b>	Carbon oxides, gaseous hydrogen fluoride (HF), fluorine

**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>	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.
<b>Other:</b>	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**

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

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

Canadian DSL/NDSL	CAS# 550363-85-4 is not listed on Canada's DSL or NDSL List.
US Federal TSCA	CAS# 550363-85-4 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.*