SAFETY DATA SHEET

(2,5-DIFLUOROPHENYL)METHANESULFONYL CHLORIDE

Revision: 07/02/2011

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:

Signal word: **Danger**

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
P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection
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.
P310 - Immediately call a POISON CENTER or doctor/physician

SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	Assay (%)	EINECS#
179524-62-0	(2,5-Difluorophenyl)methanesulfonyl chloride	min. 97	-

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. Do NOT induce vomiting.
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 alcohol-resistant foam, dry chemical or carbon dioxide. Use water to cool closed containers.
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 vapors/mist/gas. 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.
Storage: Store in a dry, cool and well ventilated place. Keep container closed when not in use. See Section 10 for stability and reactivity information. 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:	Solid	**Specific Gravity/Density:**	Not available
Color:	White	**Refractive Index:**	Not available
Boiling Point:	Not available	**Molecular Formula:**	$C_7H_5ClF_2O_2S$
Freezing/Melting Point:	75 - 76 ºC	**Molecular Weight:**	226,63
Flash Point:	Not available		

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Incompatible Materials: Strong oxidants, bases

Conditions to avoid: Incompatible products, heat, flames,

Hazardous Decomposition Products: Carbon oxides, oxides of sulfur, hydrogen chloride, hydrogen fluoride

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:	III	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: S22 - Do not breathe dust.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27 - Take off immediately all contaminated clothing.
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# 179524-62-0 is not listed on Canada's DSL or NDSL List.

US Federal TSCA CAS# 179524-62-0 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.