

### SAFETY DATA SHEET

### TERT-BUTYL ETHYL ETHER

Version 1, Revision: 06/07/2018 Page 1/2
SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifiers

Product name: tert-Butyl ether Product Code: GEO-03226 CAS-No.: 637-92-3

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

Flammable liquids (Category 2), H225

Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336

According to European Directive 67/548/EEC as amended.

F Highly flammable R11, R67

Label elements

Labelling according Regulation (EC) No 1272/2008

GHS pictogram: H225 Highly flammable liquid and vapour. H336 May cause drowsiness or dizziness.



P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261 - Avoid breathing vapours.

Signal word: Danger

SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

Synonyms Formula Molecular Weight Assay (%) CAS# EC-No.

 Synonyms
 Formula
 Molecular Weight
 Assay (%)
 CAS#
 EC-No.

 C6H14O
 102,18g/mol
 637-92-3
 211-309-7

**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 Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Protective equipment:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin/eyes. Unusual fire and explosions During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.

hazards:

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. Heat, flames and sparks. Extremes of

temperature and direct sunlight. 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

Flash Point: -19 °C - closed cup Form: Liquid Specific Gravity/Density: Color: Clear colorless Not available 72 - 73 °C - lit. **Boiling Point: Molecular Formula:** C6H14O Not available **Molecular Weight:** 102,18 Freezing/Melting Point:

**SECTION 10 - STABILITY AND REACTIVITY** 

**Chemical Stability:** Stable under normal temperatures and pressures.

**Incompatible Materials:** Strong oxidizing agents

Conditions to avoid: Incompatible products, Heat, flames and sparks. Extremes of temperature and direct

sunlight.

**Hazardous Decomposition Products:** Carbon 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
<b>Shipping Name:</b>	ETHERS, N.O.S. (tert-Butyl ethyl	ETHERS, N.O.S. (tert-Butyl ethyl	ETHERS, N.O.S. (tert-Butyl ethyl
	ether)	ether)	ether)
Hazard Class:	3	3	3
UN Number:	3271	3271	3271
Packing Group:	II	II	II

SECTION 15 - REGULATORY INFORMATION			
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.			
Canadian DSL/NDSL	CAS# 637-92-3 is listed on Canada's DSL or NDSL List.		
US Federal TSCA	CAS# 637-92-3 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.