

[5-(HYDROXYMETHYL)TETRAHYDROFURAN-2-YL]METHANOL

Version 1, Revision: 06/04/2017

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SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifiers

Product name: [5-(Hydroxymethyl)tetrahydrofuran-2-yl]methanol Product Code: GEO-03378 CAS-No. : 104-80-3

Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

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SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

Specific target organ toxicity - single exposure (Category 3), H335

Label elements

Labelling according Regulation (EC) No 1272/2008

GHS pictogram:



H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

Signal word:

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P302+ P352 - IF ON SKIN: Wash with plenty of soap and water

Warning

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.
	C6H12O3	132,16g/mol	94+%	104-80-3	203-239-0

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	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire extinguishing media suitable for the surrounding fire.
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. Hygroscopic. Protect from light. Store contents under inert gas. Store at temperatures not exceeding -20°C. 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:	Clear liquid	Flash Point:	Not available
Color:	Colourless to yellow	Specific Gravity/Density:	Not available
Boiling Point:	105°C	Molecular Formula:	C6H12O3
Freezing/Melting Point:	Not available	Molecular Weight:	132.16

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Incompatible Materials:	Strong oxidizing agents
Conditions to avoid:	Incompatible products
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	IMO	RID/ADR
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# 104-80-3 is not listed on Canada's DSL or NDSL List.
US Federal TSCA	CAS# 104-80-3 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.