

## SAFETY DATA SHEET

Version 8.0  
Revision Date 03/04/2021  
Print Date 03/04/2021**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifiers**

Product name : Microbiome Metabolite Library Of Standards

Product Number : GUTMLS  
Brand : Sigma

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

Identified uses : Laboratory chemicals, Synthesis of substances

**1.3 Details of the supplier of the safety data sheet**

Company :

**1.4 Emergency telephone**

Emergency Phone # : +(44)-870-8200418 (CHEMTREC (GB))  
+(353)-19014670 (CHEMTREC Ireland)  
001-803-017-9114 (CHEMTREC India)

This is a summary MSDS for a kit. For the full MSDS for each of the components listed in section 16 please visit our website.

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Flammable liquids (Category 2), H225  
Corrosive to Metals (Category 1), H290  
Acute toxicity, Oral (Category 3), H301  
Acute toxicity, Dermal (Category 3), H311  
Skin corrosion (Category 1B), H314  
Serious eye damage (Category 1), H318  
Skin sensitization (Category 1), H317  
Specific target organ toxicity - single exposure (Category 1), H370  
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335  
Short-term (acute) aquatic hazard (Category 2), H401  
Long-term (chronic) aquatic hazard (Category 2), H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2 GHS Label elements, including precautionary statements**

Pictogram



Signal word	Danger
Hazard statement(s)	
H225	Highly flammable liquid and vapor.
H290	May be corrosive to metals.
H301 + H311	Toxic if swallowed or in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H370	Causes damage to organs.
H411	Toxic to aquatic life with long lasting effects.
Precautionary statement(s)	
P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P233	Keep container tightly closed.
P234	Keep only in original container.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P310 + P330	IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P307 + P311	IF exposed: Call a POISON CENTER or doctor/ physician.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P390	Absorb spillage to prevent material damage.
P391	Collect spillage.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P406	Store in corrosive resistant container with a resistant inner liner.
P501	Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

Sigma - GUTMLS

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### **SECTION 3: Composition/information on ingredients**

Refer to component MSDS

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### **SECTION 4: First aid measures**

Refer to component MSDS

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### **SECTION 5: Firefighting measures**

Refer to component MSDS

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### **SECTION 6: Accidental release measures**

Refer to component MSDS

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### **SECTION 7: Handling and storage**

#### **7.1 Precautions for safe handling**

##### **Advice on safe handling**

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

##### **Advice on protection against fire and explosion**

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

##### **Hygiene measures**

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

For precautions see section 2.2.

#### **7.2 Conditions for safe storage, including any incompatibilities**

##### **Storage conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Keep locked up or in an area accessible only to qualified or authorized persons.

##### **Storage stability**

Recommended storage temperature

-20 °C

Storage class (TRGS 510): 3: Flammable liquids

#### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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**SECTION 8: Exposure controls/personal protection**

Refer to component MSDS

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**SECTION 9: Physical and chemical properties**

Refer to component MSDS

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**SECTION 10: Stability and reactivity**

Refer to component MSDS

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**SECTION 11: Toxicological information**

Refer to component MSDS

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**SECTION 12: Ecological information**

Refer to component MSDS

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**SECTION 13: Disposal considerations**

Refer to component MSDS

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**SECTION 14: Transport information****DOT (US)**

UN number: 3316 Class: 9 Packing group: II  
Proper shipping name: Chemical kits  
Poison Inhalation Hazard: No

**IMDG**

UN number: 3316 Class: 9 Packing group: II EMS-No: F-A, S-P  
Proper shipping name: CHEMICAL KIT

**IATA**

UN number: 3316 Class: 9 Packing group: II  
Proper shipping name: Chemical kit

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**SECTION 15: Regulatory information**

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**SECTION 16: Other information****Kit Components:**

Microbiome Metabolite Library Of Standards Plate 1 (Ethanol And Methanol Soluble)	GUTMLS-01-1EA	GUTMLS-01	Flam. Liq. 2; Met. Corr. 1; Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Skin Sens. 1; STOT SE 3; Aquatic Acute 2; Aquatic Chronic 2; H225, H290, H301, H314, H317, H335, H411
Microbiome Metabolite Library Of Standards Plate 2 (Water Soluble)	GUTMLS-02-1EA	GUTMLS-02	Flam. Liq. 4; Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Skin Sens. 1; STOT SE 1; STOT SE 3; Aquatic Acute 2; Aquatic Chronic 2; H227, H301 + H311, H314, H317, H335, H370, H411

**Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.sigma-aldrich.com](http://www.sigma-aldrich.com) and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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## Kit Components:

Microbiome Metabolite Library Of Standards Plate 1 (Ethanol And Methanol Soluble)					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
GUTMLS-01-1EA - GUTMLS-01		Danger	<p>Highly flammable liquid and vapor. May be corrosive to metals. Toxic if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Toxic to aquatic life with long lasting effects.</p>	<p>Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/ container to an approved waste disposal plant. Keep container tightly closed. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Store in a well-ventilated place. Keep cool. Keep only in original container. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Store locked up. Ground/bond container and receiving equipment. IF</p>	

				<p>INHALED:  Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. Store in corrosive resistant container with a resistant inner liner. Use explosion-proof electrical/ ventilating/ lighting/ equipment. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. Use only non-sparking tools. If skin irritation or rash occurs: Get medical advice/ attention. Take precautionary measures against static discharge. Wash contaminated clothing before reuse. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. In case of fire: Use dry sand, dry chemical or</p>	
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				<p>alcohol-resistant foam to extinguish. Wash skin thoroughly after handling. Absorb spillage to prevent material damage. Do not eat, drink or smoke when using this product. Collect spillage. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.</p>	
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<b>Microbiome Metabolite Library Of Standards Plate 2 (Water Soluble)</b>					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
GUTMLS-02-1EA - GUTMLS-02		Danger	<p>Combustible liquid. Toxic if swallowed or in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Causes damage to organs. Toxic to aquatic life with long lasting effects.</p>	<p>Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/ container to an approved waste disposal plant.</p>	



				<p>Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Store in a well-ventilated place. Keep cool. Wash skin thoroughly after handling. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Store locked up. Do not eat, drink or smoke when using this product. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. Use only outdoors or in a well-ventilated area. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. Contaminated work clothing must not be</p>	
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				<p>allowed out of the workplace.  IF exposed: Call a POISON CENTER or doctor/physician.  Avoid release to the environment. If skin irritation or rash occurs: Get medical advice/attention.  Wear protective gloves/protective clothing/ eye protection/ face protection. Take off contaminated clothing and wash before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  Collect spillage.</p>	
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