

## SAFETY DATA SHEET

Version 8.28  
Revision Date 03/22/2022  
Print Date 10/01/2022**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifiers**

Product name : Mass Spectrometry Metabolite Library of Standards

Product Number : MSMLS  
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 : Sigma-Aldrich Inc.  
3050 SPRUCE ST  
ST. LOUIS MO 63103  
UNITED STATESTelephone : +1 314 771-5765  
Fax : +1 800 325-5052**1.4 Emergency telephone**Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-  
527-3887 CHEMTREC (International) 24  
Hours/day; 7 Days/week

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 2), H300  
Acute toxicity, Inhalation (Category 1), H330  
Acute toxicity, Dermal (Category 1), H310  
Skin corrosion (Category 1A), H314  
Serious eye damage (Category 1), H318  
Respiratory sensitization (Category 1), H334  
Skin sensitization (Category 1), H317  
Germ cell mutagenicity (Category 1B), H340  
Carcinogenicity (Category 1A), H350

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Reproductive toxicity (Category 1A), H360  
 Effects on or via lactation, H362  
 Specific target organ toxicity - single exposure (Category 1), H370  
 Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335  
 Specific target organ toxicity - repeated exposure (Category 1), H372  
 Specific target organ toxicity - repeated exposure, Inhalation (Category 2), Respiratory system, H373  
 Aspiration hazard (Category 1), H304  
 Short-term (acute) aquatic hazard (Category 1), H400  
 Long-term (chronic) aquatic hazard (Category 1), H410

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.
H300 + H310 + H330	Fatal if swallowed, in contact with skin or if inhaled.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H340	May cause genetic defects.
H350	May cause cancer.
H360	May damage fertility or the unborn child.
H362	May cause harm to breast-fed children.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs (Respiratory system) through prolonged or repeated exposure if inhaled.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
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.
P262	Do not get in eyes, on skin, or on clothing.
P263	Avoid contact during pregnancy/ while nursing.
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.
P284	Wear respiratory 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.
P302 + P350 + P310	IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/ physician.
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

Corrosive to the respiratory tract.

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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. No metal containers.

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**

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 kit  
Reportable Quantity (RQ): 10 lbs  
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**

Refer to component MSDS

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

Mass Spectrometry Metabolite Library of Standards (Plate 1)	Sigma	MSMLS-01	Flam. Liq. 3; Acute Tox. 3; Acute Tox. 4; Acute Tox. 3; Skin Irrit. 2; Eye Dam. 1; Carc. 2; Repr. 1B; STOT SE 3; STOT RE 2; Aquatic Acute 2; Aquatic Chronic 2; H226, H301 + H311, H315, H318, H332, H335, H351, H360, H373, H373, H411
Mass Spectrometry Metabolite Library of Standards (Plate 2)	Sigma	MSMLS-02	Flam. Liq. 3; Met. Corr. 1; Acute Tox. 2; Acute Tox. 1; Acute Tox. 2; Skin Corr. 1A; Eye Dam. 1; Resp. Sens. 1; Skin Sens. 1; Muta. 2; STOT SE 1; STOT SE 3; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1; H226, H290,

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Mass Spectrometry Metabolite Library of Standards (Plate 3)	Sigma	MSMLS-03	H300 + H310 + H330, H314, H317, H334, H335, H341, H370, H373, H410 Flam. Liq. 2; Met. Corr. 1; Acute Tox. 3; Acute Tox. 2; Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Resp. Sens. 1; Skin Sens. 1; STOT SE 1; STOT SE 3; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1; H225, H290, H301 + H311, H314, H317, H330, H334, H335, H370, H373, H410
Mass Spectrometry Metabolite Library of Standards (Plate 4)	Sigma	MSMLS-04	Flam. Liq. 3; Acute Tox. 3; Acute Tox. 2; Skin Corr. 1B; Eye Dam. 1; Skin Sens. 1; Muta. 1B; Carc. 1B; Repr. 1B; STOT SE 1; STOT SE 3; STOT RE 1; Aquatic Acute 1; Aquatic Chronic 1; H226, H301, H310 + H330, H314, H317, H335, H340, H350, H360, H370, H372, H410
Mass Spectrometry Metabolite Library of Standards (Plate 5)	Sigma	MSMLS-05	Flam. Liq. 2; Acute Tox. 2; Skin Corr. 1A; Eye Dam. 1; Skin Sens. 1; Muta. 2; Carc. 1B; Repr. 1A; STOT SE 3; STOT RE 1; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1; H225, H300 + H310 + H330, H314, H317, H335, H341, H350, H360, H372, H372, H373, H410
Mass Spectrometry Metabolite Library of Standards (Plate 6)	Sigma	MSMLS-06	Flam. Liq. 2; Met. Corr. 1; Acute Tox. 2; Acute Tox. 3; Acute Tox. 1; Skin Corr. 1B; Eye Dam. 1; Skin Sens. 1; Muta. 2; Carc. 2; Repr. 2; STOT SE 3; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1; H225, H290, H300 + H310, H314, H317, H331, H335, H341, H351, H361, H373, H410
Mass Spectrometry Metabolite Library of Standards (Plate 7)	Sigma	MSMLS-07	Flam. Liq. 4; Acute Tox. 3; Acute Tox. 2; Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Skin Sens. 1; Muta. 2; Carc. 1A; Repr. 1A; Lact. ; STOT SE 3; STOT RE 1; Asp. Tox. 1; Aquatic Acute 1; Aquatic Chronic 1; H227, H301 + H311, H304, H314, H317, H330, H335, H341, H350, H360, H362, H372, H410

### Further information

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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:

Mass Spectrometry Metabolite Library of Standards (Plate 1)					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - MSMLS-01		Danger	<p>Flammable liquid and vapor. Toxic if swallowed or in contact with skin. Causes skin irritation. Causes serious eye damage. Harmful if inhaled. May cause respiratory irritation. Suspected of causing cancer. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May cause damage to organs (/\$/*_2ORG_REP_ORA/\$/) through prolonged or repeated exposure if swallowed. Toxic to aquatic life with long lasting effects.</p>	<p>Obtain special instructions before use. 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. Do not handle until all safety precautions have been read and understood. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Store in a well-ventilated place. Keep cool. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON</p>	

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				<p>CENTER/ doctor if you feel unwell. Store locked up. Keep container tightly closed. 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. Ground/bond container and receiving equipment. IF exposed or concerned: Get medical advice/ attention. Use explosion-proof electrical/ ventilating/ lighting/ equipment. If skin irritation occurs: Get medical advice/ attention. Use only non-sparking tools. Take off contaminated clothing and wash before reuse. Take precautionary measures against static discharge. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Do not breathe dust/ fume/</p>	
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				gas/ mist/ vapors/ spray. Collect spillage. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well- ventilated area. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.	
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**Mass Spectrometry Metabolite Library of Standards (Plate 2)**

Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - MSMLS-02		Danger	<p>Flammable liquid and vapor. May be corrosive to metals. Fatal if swallowed, in contact with skin or if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing genetic defects. Causes damage to organs. May cause damage</p>	<p>Obtain special instructions before use. 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. Do not handle until all safety precautions have been read and understood. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Store in a well-ventilated place. Keep cool.</p>	


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			to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.	<p>Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/ physician. Store locked up. Keep container tightly closed. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Store in corrosive resistant container with a resistant inner liner. Keep only in original container. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. Ground/bond container and receiving equipment. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call</p>	
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				<p>a POISON CENTER/ doctor. Use explosion-proof electrical/ ventilating/ lighting/ equipment. IF exposed: Call a POISON CENTER or doctor/ physician. Use only non-sparking tools. If skin irritation or rash occurs: Get medical advice/ attention. Take precautionary measures against static discharge. Take off contaminated clothing and wash before reuse. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Do not get in eyes, on skin, or on clothing. Absorb spillage to prevent material damage. Wash skin thoroughly after handling. Collect spillage. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated</p>	
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				work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection. Wear respiratory protection.	
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### Mass Spectrometry Metabolite Library of Standards (Plate 3)

Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - MSMLS-03		Danger	Highly flammable liquid and vapor. May be corrosive to metals. Toxic if swallowed or in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Fatal if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.	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	


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				<p>clothing. Rinse skin with water/ shower. Store locked up. Ground/bond container and receiving equipment. IF 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 exposed: Call a POISON CENTER or doctor/ physician. Take precautionary measures against static discharge. If skin irritation or rash occurs: Get</p>	
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				<p>medical advice/ attention. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Take off contaminated clothing and wash before reuse. Wash skin thoroughly after handling. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Do not eat, drink or smoke when using this product. Absorb spillage to prevent material damage. Use only outdoors or in a well-ventilated area. Collect spillage. 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. Wear respiratory protection.</p>	
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**Mass Spectrometry Metabolite Library of Standards (Plate 4)**

Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - MSMLS-04		Danger	Flammable liquid and vapor. Toxic if swallowed. Fatal in contact with	Obtain special instructions before use. IF SWALLOWED: Immediately call	

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			<p>skin or if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. May cause genetic defects. May cause cancer. May damage fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.</p>	<p>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. Do not handle until all safety precautions have been read and understood. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Store in a well-ventilated place. Keep cool. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/ physician. Store locked up. Keep container tightly closed. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Ground/bond container and receiving equipment. IF INHALED: Remove person to fresh air and</p>	
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				<p>keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. 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 exposed: Call a POISON CENTER or doctor/ physician. Take precautionary measures against static discharge. If skin irritation or rash occurs: Get medical advice/ attention. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Take off contaminated clothing and wash before reuse. Do not get in eyes, on skin, or on clothing. 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. Collect spillage. Do not eat, drink or smoke when using this product. 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. Wear respiratory protection.</p>	
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**Mass Spectrometry Metabolite Library of Standards (Plate 5)**

Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - MSMLS-05		Danger	<p>Highly flammable liquid and vapor. Fatal if swallowed, in contact with skin or if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Suspected of causing genetic defects. May cause cancer. May damage fertility or the</p>	<p>Obtain special instructions before use. 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. Do not handle until all safety precautions have been read</p>	


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			<p>unborn child. Causes damage to organs (/\$/*_ORGAN_REPEAT/\$/) through prolonged or repeated exposure. Causes damage to organs (/\$/*_ORG_REPEAT_INHA/\$/) through prolonged or repeated exposure if inhaled. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.</p>	<p>and understood. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Store in a well-ventilated place. Keep cool. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/ physician. Store locked up. Keep container tightly closed. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Ground/bond container and receiving equipment. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. Use explosion-proof electrical/ ventilating/ lighting/ equipment. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact</p>	
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				<p>lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. Use only non-sparking tools. IF exposed or concerned: Get medical advice/ attention. Take precautionary measures against static discharge. If skin irritation or rash occurs: Get medical advice/ attention. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Take off contaminated clothing and wash before reuse. Do not get in eyes, on skin, or on clothing. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Wash skin thoroughly after handling. Collect spillage. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be</p>	
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				<p>allowed out of the workplace. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection. Wear respiratory protection.</p>	
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**Mass Spectrometry Metabolite Library of Standards (Plate 6)**


Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - MSMLS-06		Danger	<p>Highly flammable liquid and vapor. May be corrosive to metals. Fatal if swallowed or in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Toxic if inhaled. May cause respiratory irritation. Suspected of causing genetic defects. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs (/\$/*_2ORG_REP_INH\$/) through prolonged or repeated exposure if inhaled. Very toxic to aquatic life with long</p>	<p>Obtain special instructions before use. 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. Do not handle until all safety precautions have been read and understood. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Store in a well-ventilated place. Keep cool. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. IF ON SKIN: Gently wash with plenty of soap and water.</p>	

			lasting effects.	<p>Immediately call a POISON CENTER or doctor/physician. Store locked up. Keep container tightly closed. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Store in corrosive resistant container with a resistant inner liner. Keep only in original container. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. Ground/bond container and receiving 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 explosion-proof electrical/ventilating/lighting/equipment. IF exposed or concerned: Get</p>	
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				<p>medical advice/attention. Use only non-sparking tools. If skin irritation or rash occurs: Get medical advice/attention. Take precautionary measures against static discharge. Take off contaminated clothing and wash before reuse. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Do not get in eyes, on skin, or on clothing. Absorb spillage to prevent material damage. Wash skin thoroughly after handling. Collect spillage. Do not eat, drink or smoke when using this product. 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/</p>	
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				protective clothing/ eye protection/ face protection.	
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**Mass Spectrometry Metabolite Library of Standards (Plate 7)**

Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - MSMLS-07		Danger	<p>Combustible liquid. Toxic if swallowed or in contact with skin. May be fatal if swallowed and enters airways. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Fatal if inhaled. May cause respiratory irritation. Suspected of causing genetic defects. May cause cancer. May damage fertility or the unborn child. May cause harm to breast-fed children. Causes damage to organs through prolonged or repeated exposure if swallowed. Very toxic to aquatic life with long lasting effects.</p>	<p>Obtain special instructions before use. 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. Do not handle until all safety precautions have been read and understood. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Store in a well-ventilated place. Keep cool. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Store locked up. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED:</p>	

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				<p>Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. Avoid contact during pregnancy/ while nursing. 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. Wash skin thoroughly after handling. IF exposed or concerned: Get medical advice/ attention. Do not eat, drink or smoke when using this product. If skin irritation or rash occurs: Get medical advice/ attention. Use only outdoors or in a well-ventilated area. Take off contaminated clothing and wash before reuse. Contaminated work clothing must not be allowed out of the workplace. In case of fire: Use dry sand,</p>	
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				dry chemical or alcohol-resistant foam to extinguish. Avoid release to the environment. Collect spillage. Wear protective gloves/ protective clothing/ eye protection/ face protection. Wear respiratory protection.	
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