

SAFETY DATA SHEET

Version 8.29
Revision Date 10/05/2022
Print Date 07/13/2024

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 STATES

Telephone : +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 SDS for a kit. For the full SDS 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 mist or vapors.
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.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.
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.

SECTION 3: Composition/information on ingredients

Refer to component SDS

SECTION 4: First aid measures

Refer to component SDS

SECTION 5: Firefighting measures

Refer to component SDS

SECTION 6: Accidental release measures

Refer to component SDS

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

SECTION 8: Exposure controls/personal protection

Refer to component SDS

SECTION 9: Physical and chemical properties

Refer to component SDS

SECTION 10: Stability and reactivity

Refer to component SDS

SECTION 11: Toxicological information

Refer to component SDS

SECTION 12: Ecological information

Refer to component SDS

SECTION 13: Disposal considerations

Refer to component SDS

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

UN number: 3316 Class: 9
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

SECTION 15: Regulatory information

Refer to component SDS

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

Mass Spectrometry Metabolite Library of Standards (Plate 1)	Sigma	MSMLS-01	Flam. Liq. 3; Acute Tox. 3; Skin Corr. 1C; Eye Dam. 1; Carc. 2; Repr. 2; STOT SE 1; STOT SE 3; STOT RE 2; Aquatic Acute 2; Aquatic Chronic 2; H226, H301, H314, H335, H351, H361, H370, H373, H411
Mass Spectrometry	Sigma	MSMLS-02	Flam. Liq. 3; Met. Corr. 1; Acute

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Metabolite Library of
Standards (Plate 2)

Mass Spectrometry
Metabolite Library of
Standards (Plate 3)

Mass Spectrometry
Metabolite Library of
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Mass Spectrometry
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Standards (Plate 5)

Mass Spectrometry
Metabolite Library of
Standards (Plate 6)

Mass Spectrometry
Metabolite Library of
Standards (Plate 7)

Sigma

Sigma

Sigma

Sigma

Sigma

MSMLS-03

MSMLS-04

MSMLS-05

MSMLS-06

MSMLS-07

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, 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

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

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

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

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 and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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 and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all of the information in the document regarding the product remains unchanged and matches the product ordered. For further information please contact mlsbranding@sial.com.

Version: 8.29

Revision Date: 10/05/2022

Print Date: 07/13/2024

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.</p> <p>Toxic if swallowed.</p> <p>Causes severe skin burns and eye damage.</p> <p>May cause respiratory irritation.</p> <p>Suspected of causing cancer.</p> <p>Suspected of damaging fertility or the unborn child.</p> <p>Causes damage to organs.</p> <p>May cause damage to organs (Kidney, Liver, Blood) through prolonged or repeated exposure if swallowed.</p> <p>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. Keep container tightly closed. IF</p>	


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				<p>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: Call a POISON CENTER or doctor/ physician. Use only non-sparking tools. Wash contaminated clothing 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 mist or vapors. Collect spillage. Wash skin</p>	
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				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	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 to organs through	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	

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			<p>prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.</p>	<p>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 a POISON CENTER/ doctor. Use explosion-proof electrical/</p>	
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				<p>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. If experiencing respiratory symptoms: Call a POISON CENTER/ doctor. Do not breathe mist or vapors. 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. 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</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	<p>Highly flammable liquid and vapor.</p> <p>May be corrosive to metals.</p> <p>Toxic if swallowed or in contact with skin.</p> <p>Causes severe skin burns and eye damage.</p> <p>May cause an allergic skin reaction.</p> <p>Fatal if inhaled.</p> <p>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>May cause respiratory irritation.</p> <p>Causes damage to organs.</p> <p>May cause damage to organs through prolonged or repeated exposure.</p> <p>Very toxic to</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</p>	

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			<p>aquatic life with long lasting effects.</p>	<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 mist or vapors. If experiencing respiratory symptoms: Call a POISON CENTER/ doctor. Wash skin thoroughly after handling. Take off contaminated clothing and wash before reuse. Do not eat, drink or smoke when using this product. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Use only outdoors or in a well-ventilated area. Absorb spillage to prevent material damage. Contaminated work clothing must not be allowed out of the workplace. Collect spillage. 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	<p>Flammable liquid and vapor.</p> <p>Toxic if swallowed.</p> <p>Fatal in contact with skin or if inhaled.</p> <p>Causes severe skin burns and eye damage.</p> <p>May cause an allergic skin reaction.</p> <p>May cause respiratory irritation.</p> <p>May cause genetic defects.</p> <p>May cause cancer.</p> <p>May damage fertility or the unborn child.</p> <p>Causes damage to organs.</p> <p>Causes damage to organs through prolonged or repeated exposure.</p> <p>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: 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/</p>	

				<p>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 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 mist or vapors. Take off contaminated clothing and wash before reuse. Do not get in eyes, on</p>	
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				<p>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 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.</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</p>	

			<p>Suspected of causing genetic defects.</p> <p>May cause cancer.</p> <p>May damage fertility or the unborn child.</p> <p>Causes damage to organs (Blood) through prolonged or repeated exposure.</p> <p>Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.</p> <p>May cause damage to organs through prolonged or repeated exposure.</p> <p>Very toxic to aquatic life with long lasting effects.</p>	<p>disposal plant.</p> <p>Do not handle until all safety precautions have been read and understood.</p> <p>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</p>	
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				<p>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 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 mist or vapors. 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</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 6)

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - MSMLS-06		Danger	<p>Highly flammable liquid and vapor.</p> <p>May be corrosive to metals.</p> <p>Fatal if swallowed or in contact with skin.</p> <p>Causes severe skin burns and eye damage.</p> <p>May cause an allergic skin reaction.</p> <p>Toxic if inhaled.</p> <p>May cause respiratory irritation.</p> <p>Suspected of causing genetic defects.</p> <p>Suspected of causing cancer.</p> <p>Suspected of damaging fertility or the unborn child.</p> <p>May cause damage to organs (Respiratory system) through prolonged or repeated</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</p>	

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			<p>exposure if inhaled. Very toxic to aquatic life with long lasting effects.</p>	<p>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 a POISON CENTER/ doctor. Use explosion-proof electrical/ ventilating/ lighting/ equipment. IF</p>	
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				<p>exposed or concerned: Get 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 mist or vapors. 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.</p> <p>Toxic if swallowed or in contact with skin.</p> <p>May be fatal if swallowed and enters airways.</p> <p>Causes severe skin burns and eye damage.</p> <p>May cause an allergic skin reaction.</p> <p>Fatal if inhaled.</p> <p>May cause respiratory irritation.</p> <p>Suspected of causing genetic defects.</p> <p>May cause cancer.</p> <p>May damage fertility or the unborn child.</p> <p>May cause harm to breast-fed children.</p> <p>Causes damage to organs through prolonged or repeated exposure if swallowed.</p> <p>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 mist or vapors. IF INHALED: Remove person to fresh air and</p>	

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				<p>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, dry chemical or alcohol-resistant</p>	
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				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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