

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

Sigma - MSMLS



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 P262	Do not breathe mist or vapors. Do not get in eyes, on skin, or on clothing.
P263	Avoid contact during pregnancy/ while nursing.
P264	Wash skin thoroughly after handling.
1 207	Train skin thoroughly after handling.





P270	Do not eat, drink or smoke when using this product.
P271 P272	Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the
P2/2	workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face
. 200	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
D204 + D240 + D240	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 +	IF IN EYES: Rinse cautiously with water for several minutes.
P310	Remove contact lenses, if present and easy to do. Continue
1310	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 P405	Store in a well-ventilated place. Keep cool. Store locked up.
P405 P406	Store in corrosive resistant container with a resistant inner
F 1 00	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 Sigma MSMLS-01 Flam. Liq. 3; Acute Tox. 3; Skin Metabolite Library of Corr. 1C; Eye Dam. 1; Carc. 2;

Metabolite Library of Standards (Plate 1)

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

Sigma - MSMLS

Millipore Sigma

Page 5 of 26

Metabolite Library of Standards (Plate 2)			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
Mass Spectrometry Metabolite Library of Standards (Plate 3)	Sigma	MSMLS-03	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

Sigma - MSMLS



Further information

Copyright 2020 Sigma-Aldrich Co. LLC. License granted to make unlimited paper copies for internal use only.

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.

Copyright 2020 Sigma-Aldrich Co. LLC. License granted to make unlimited paper copies for internal use only.

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:

		• · · · · • · · · · · · · · · · · · · ·	of Standards (Pl	ale I)	
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
		Signal	Hazard	Precautionary	

Sigma - MSMLS Page 8 of 26



		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	
Sigma - MSMLS			Page 9 of 26



	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.

Mass Spectro	Mass Spectrometry Metabolite Library of Standards (Plate 2)					
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
Sigma -		Danger	Flammable	Obtain special		
MSMLS-02	E3		liquid and vapor.	instructions		
			May be	before use. IF		
			corrosive to	SWALLOWED:		
	X		metals.	Immediately call		
			Fatal if	a POISON		
			swallowed, in	CENTER/ doctor.		
	T.		contact with skin	Rinse mouth.		
			or if inhaled.	Store in a well-		
			Causes severe	ventilated place.		
			skin burns and	Keep container		
	·		eye damage.	tightly closed.		
			May cause an	Dispose of		
			allergic skin	contents/		
			reaction.	container to an		
			May cause	approved waste		
			allergy or	disposal plant.		
			asthma	Do not handle		
			symptoms or	until all safety		
			breathing	precautions		
			difficulties if	have been read		
			inhaled.	and understood.		
			May cause	IF SWALLOWED:		
			respiratory	Rinse mouth. Do		
			irritation.	NOT induce		
			Suspected of	vomiting. Store		
			causing genetic	in a well-		
			defects.	ventilated place.		
			Causes damage	Keep cool.		
			to organs.	Keep away from		
			May cause	heat/ sparks/		
			damage to	open flames/		
			organs through	hot surfaces. No		

Sigma - MSMLS Page 10 of 26



	prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.	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	
		skin with water/ shower. Store in	
		container with a resistant inner	
		only in original container. IF	
		Remove person to fresh air and	
		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/	
Sigma - MSMLS		ן איטטו פופכנוונמו/	Page 11 of 26

Sigma - MSMLS Page 11 of 26



				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	
Ciarra MCM C	<u> </u>	<u> </u>	<u> </u>	Contaminated	<u> </u>
Sigma - MSMLS					Page 12 of 26

Sigma - MSMLS Page 12 of 26



	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.	

			ry of Standards (P		
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
dentifier		Word	Statements	Statements	information
Sigma -		Danger	Highly	Keep away	
MSMLS-03			flammable liquid	from heat/	
			and vapor.	sparks/ open	
			May be	flames/ hot	
	X		corrosive to	surfaces. No	
			metals.	smoking. IF	
			Toxic if	SWALLOWED:	
	LZ.		swallowed or in	Immediately call	
			contact with	a POISON	
			skin.	CENTER/ doctor.	
			Causes severe	Rinse mouth.	
	•		skin burns and	Store in a well-	
			eye damage.	ventilated place.	
			May cause an	Keep container	
			allergic skin	tightly closed.	
			reaction.	Dispose of	
			Fatal if inhaled.	contents/	
			May cause	container to an	
			allergy or	approved waste	
			asthma	disposal plant.	
			symptoms or	Keep container	
			breathing	tightly closed. IF	
			difficulties if	SWALLOWED:	
			inhaled.	Rinse mouth. Do	
			May cause	NOT induce	
			respiratory	vomiting. Store	
			irritation.	in a well-	
			Causes damage	ventilated place.	
			to organs.	Keep cool.	
			May cause	Keep only in	
			damage to	original	
			organs through	container. IF ON	
			prolonged or	SKIN (or hair):	
			repeated	Take off	
			exposure.	immediately all	
			Very toxic to	contaminated	

Sigma - MSMLS Page 13 of 26



		aquatic life with	clothing. Rinse	
		long lasting	skin with water/	
		effects.	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	
Sigma - MSMLS	1	I	1 . 2511 0000151 000	

Sigma - MSMLS Page 14 of 26



	modical advice/	
	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.	





Mass Spectro	metry Metab	olite Library	y of Standards (Pl	ate 4)	
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
Sigma - MSMLS-04		Danger	Flammable liquid and vapor. Toxic if swallowed. Fatal in contact with 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 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.	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/	Information

Sigma - MSMLS Page 16 of 26



		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	
Sigma - MSMLS			Page 17 of 26
			. 490 17 01 20



skin, or on clothing. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to	
of fire: Use dry sand, dry chemical or alcohol-resistant	
sand, dry chemical or alcohol-resistant	
chemical or alcohol-resistant	
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.	

Mass Spectro	metry Metab	olite Library	of Standards (Pl	ate 5)	_
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - MSMLS-05		Danger	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.	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	

Sigma - MSMLS Page 18 of 26



Suspected of disposal plant. Do not handle causing genetic defects. until all safety precautions May cause cancer. have been read May damage and understood. fertility or the IF SWALLOWED: unborn child. Rinse mouth. Do Causes damage NOT induce to organs vomiting. Store (Blood) through in a wellprolonged or ventilated place. repeated Keep cool. exposure. Keep away from Causes damage heat/ sparks/ open flames/ to organs (Lungs) through hot surfaces. No smoking. IF ON prolonged or repeated SKIN: Gently exposure if wash with plenty of soap and inhaled. May cause water. damage to Immediately call a POISON organs through CENTER or prolonged or repeated doctor/ exposure. physician. Store Very toxic to locked up. aquatic life with Keep container tightly closed. IF long lasting effects. 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 explosionproof electrical/ ventilating/ lighting/ equipment. IF



Sigma - MSMLS



		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	
Sigma - MSMLS			Page 20 of 26



	work clothing	
	must not be	
	allowed out of	
	the workplace.	
	Avoid release	:o
	the	
	environment.	
	Wear protective	e
	gloves/	
	protective	
	clothing/ eye	
	protection/ fac	e
	protection.	
	Wear respirato	ry
	protection.	

Product	Pictogram	Signal	ry of Standards (Pl Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
Sigma -		Danger	Highly	Obtain special	IIIIOIIIIGGIOII
MSMLS-06	<u></u>	Dange.	flammable liquid	instructions	
101120 00	X		and vapor.	before use. IF	
			May be	SWALLOWED:	
			corrosive to	Immediately call	
			metals.	a POISON	
			Fatal if	CENTER/ doctor.	
			swallowed or in	Rinse mouth.	
			contact with	Store in a well-	
			skin.	ventilated place.	
			Causes severe	Keep container	
	~		skin burns and	tightly closed.	
			eye damage.	Dispose of	
			May cause an	contents/	
			allergic skin	container to an	
			reaction.	approved waste	
			Toxic if inhaled.	disposal plant.	
			May cause	Do not handle	
			respiratory	until all safety	
			irritation.	precautions	
			Suspected of	have been read	
			causing genetic	and understood.	
			defects.	IF SWALLOWED:	
			Suspected of	Rinse mouth. Do	
			causing cancer.	NOT induce	
			Suspected of	vomiting. Store	
			damaging	in a well-	
			fertility or the	ventilated place.	
			unborn child.	Keep cool.	
			May cause	Keep away from	
			damage to	heat/ sparks/	
			organs	open flames/	
			(Respiratory	hot surfaces. No	
			system) through	smoking. IF ON	
			prolonged or	SKIN: Gently	
			repeated	wash with plenty	

Sigma - MSMLS Page 21 of 26



		exposure if inhaled. Very toxic to aquatic life with long lasting effects.	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	
			INHALED:	
			-	
			Ground/bond	
			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	
Sigma - MSMLS			- 4	Page 22 of 26



		1	
		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/	
Sigma - MSMLS			
Signia Montes			Page 23 of 26

Sigma - MSMLS Page 23 of 26



	protective clothing/ eye protection/ face
	protection.

Mass Spectro	ometry Metab	olite Libra	ry of Standards (Pl	ate 7)	
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
Sigma -		Danger	Combustible	Obtain special	
MSMLS-07	335		liquid.	instructions	
			Toxic if	before use. IF	
			swallowed or in	SWALLOWED:	
	X		contact with	Immediately call	
	~ Z		skin.	a POISON	
	X		May be fatal if	CENTER/ doctor.	
	(!)		swallowed and	Rinse mouth.	
	X		enters airways.	Store in a well-	
	***		Causes severe	ventilated place.	
			skin burns and	Keep container	
			eye damage.	tightly closed.	
			May cause an allergic skin	Dispose of contents/	
			reaction.	container to an	
			Fatal if inhaled.	approved waste	
			May cause	disposal plant.	
			respiratory	Do not handle	
			irritation.	until all safety	
			Suspected of	precautions	
			causing genetic	have been read	
			defects.	and understood.	
			May cause	IF SWALLOWED:	
			cancer.	Rinse mouth. Do	
			May damage	NOT induce	
			fertility or the	vomiting. Store	
			unborn child.	in a well-	
			May cause harm	ventilated place.	
			to breast-fed	Keep cool.	
			children.	Keep away from	
			Causes damage	heat/ sparks/	
			to organs	open flames/	
			through	hot surfaces. No	
			prolonged or	smoking. IF ON	
			repeated exposure if	SKIN (or hair): Take off	
			swallowed.	immediately all	
			Very toxic to	contaminated	
			aquatic life with	clothing. Rinse	
			long lasting	skin with water/	
			effects.	shower. Store	
			35555.	locked up. Do	
				not breathe mist	
				or vapors. IF	
				INHALED:	
				Remove person	
				to fresh air and	

Sigma - MSMLS Page 24 of 26



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			keep	
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				
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			comfortable for	
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			breathing.	
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				
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				
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				
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				
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			Avoid contact	
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				
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			_	
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.				
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				
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-ventiated 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			IN EYES: Rinse	
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-ventiated 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			cautiously with	
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				
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				
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				
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				
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			lenses, if	
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				
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				
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				
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				
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			rinsing.	
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				
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				
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				
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				
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				
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			thoroughly after	
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				
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				
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				
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				
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			medical advice/	
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			attention. Do	
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			not eat, drink or	
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				
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				
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				
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			product. If skin	
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			irritation or rash	
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				
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				
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				
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				
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			only outdoors or	
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				
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				
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				
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				
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				
reuse. Contaminated work clothing must not be allowed out of the workplace. In case of fire: Use dry sand, dry chemical or alcohol-resistant			clothing and	
reuse. Contaminated work clothing must not be allowed out of the workplace. In case of fire: Use dry sand, dry chemical or alcohol-resistant			wash before	
Contaminated work clothing must not be allowed out of the workplace. In case of fire: Use dry sand, dry chemical or alcohol-resistant				
work clothing must not be allowed out of the workplace. In case of fire: Use dry sand, dry chemical or alcohol-resistant				
must not be allowed out of the workplace. In case of fire: Use dry sand, dry chemical or alcohol-resistant				
allowed out of the workplace. In case of fire: Use dry sand, dry chemical or alcohol-resistant				
the workplace. In case of fire: Use dry sand, dry chemical or alcohol-resistant			must not be	
the workplace. In case of fire: Use dry sand, dry chemical or alcohol-resistant			allowed out of	
In case of fire: Use dry sand, dry chemical or alcohol-resistant				
Use dry sand, dry chemical or alcohol-resistant				
dry chemical or alcohol-resistant				
Sigma - MSMLS				
Sigma - MSMLS				
Sigma - MSMI S			alcohol-resistant	
	Sigma - MSMLS	 	 	Page 25 of 26

Sigma - MSMLS Page 25 of 26



foam to
extinguish.
Avoid release to
the
environment.
Collect spillage.
Wear protective
gloves/
protective
clothing/ eye
protection/ face
protection.
Wear respiratory
protection.

Millipore SigMa