

SAFETY DATA SHEET

Enterprise Edition LCMS OQ/PV Sulfa Standard, Part Number 5190-0580

Section 1. Identification

1.1 Product identifier

Product name : Enterprise Edition LCMS OQ/PV Sulfa Standard, Part Number 5190-0580

Part no. (chemical kit) : 5190-0580

Part no. :

Enterprise Edition LCMS OQ/PV Sulfa Standard 1	5190-0580-1
Enterprise Edition LCMS OQ/PV Sulfa Standard 2	5190-0580-2
Enterprise Edition LCMS OQ/PV Sulfa Standard 3	5190-0580-3
Enterprise Edition LCMS OQ/PV Sulfa Standard 4	5190-0580-4
Enterprise Edition LCMS OQ/PV Sulfa Standard 5	5190-0580-5
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	5190-0580-6

Validation date : 2/18/2018

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

Material uses : Reagents and Standards for Analytical Chemistry Laboratory Use

Enterprise Edition LCMS OQ/PV Sulfa Standard 1	1 x 2.2 ml
Enterprise Edition LCMS OQ/PV Sulfa Standard 2	1 x 2.2 ml
Enterprise Edition LCMS OQ/PV Sulfa Standard 3	1 x 2.2 ml
Enterprise Edition LCMS OQ/PV Sulfa Standard 4	1 x 2.2 ml
Enterprise Edition LCMS OQ/PV Sulfa Standard 5	1 x 2.2 ml
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	1 x 2.2 ml

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
 5301 Stevens Creek Blvd
 Santa Clara, CA 95051, USA
 800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Section 2. Hazards identification

OSHA/HCS status	: <input checked="" type="checkbox"/> Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Enterprise Edition LCMS OQ/PV Sulfa Standard 4 Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
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Classification of the substance or mixture

Enterprise Edition LCMS OQ/ PV Sulfa Standard 1

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H315	SKIN IRRITATION - Category 2
H319	EYE IRRITATION - Category 2A
H360	TOXIC TO REPRODUCTION (Fertility) - Category 1B
H360	TOXIC TO REPRODUCTION (Unborn child) - Category 1B
H370	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1
H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Enterprise Edition LCMS OQ/ PV Sulfa Standard 2

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H315	SKIN IRRITATION - Category 2
H319	EYE IRRITATION - Category 2A
H360	TOXIC TO REPRODUCTION (Fertility) - Category 1B
H360	TOXIC TO REPRODUCTION (Unborn child) - Category 1B
H370	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1
H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Enterprise Edition LCMS OQ/ PV Sulfa Standard 3

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H315	SKIN IRRITATION - Category 2
H319	EYE IRRITATION - Category 2A
H360	TOXIC TO REPRODUCTION (Fertility) - Category 1B
H360	TOXIC TO REPRODUCTION (Unborn child) - Category 1B
H370	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1
H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Section 2. Hazards identification

Enterprise Edition LCMS OQ/ PV Sulfa Standard 4

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H315	SKIN IRRITATION - Category 2
H319	EYE IRRITATION - Category 2A
H360	TOXIC TO REPRODUCTION (Fertility) - Category 1B
H360	TOXIC TO REPRODUCTION (Unborn child) - Category 1B
H370	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1
H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Enterprise Edition LCMS OQ/ PV Sulfa Standard 5

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H315	SKIN IRRITATION - Category 2
H319	EYE IRRITATION - Category 2A
H360	TOXIC TO REPRODUCTION (Fertility) - Category 1B
H360	TOXIC TO REPRODUCTION (Unborn child) - Category 1B
H370	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1
H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Enterprise Edition LCMS OQ/ PV Sulfa Standard Blank

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H315	SKIN IRRITATION - Category 2
H319	EYE IRRITATION - Category 2A
H360	TOXIC TO REPRODUCTION (Fertility) - Category 1B
H360	TOXIC TO REPRODUCTION (Unborn child) - Category 1B
H370	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1
H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

2.2 GHS label elements

Hazard pictograms

: Enterprise Edition LCMS OQ/PV
Sulfa Standard 1



Enterprise Edition LCMS OQ/PV
Sulfa Standard 2



Enterprise Edition LCMS OQ/PV



Section 2. Hazards identification

Sulfa Standard 3

Enterprise Edition LCMS OQ/PV
Sulfa Standard 4Enterprise Edition LCMS OQ/PV
Sulfa Standard 5Enterprise Edition LCMS OQ/PV
Sulfa Standard Blank

Signal word

Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Danger
Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Danger
Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Danger
Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Danger
Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Danger
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Danger

Hazard statements

Enterprise Edition LCMS OQ/PV Sulfa Standard 1	H225 - Highly flammable liquid and vapor. H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H315 - Causes skin irritation. H360 - May damage fertility or the unborn child. H370 - Causes damage to organs. (central nervous system (CNS)) H335 - May cause respiratory irritation.
Enterprise Edition LCMS OQ/PV Sulfa Standard 2	H225 - Highly flammable liquid and vapor. H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H315 - Causes skin irritation. H360 - May damage fertility or the unborn child. H370 - Causes damage to organs. (central nervous system (CNS)) H335 - May cause respiratory irritation.
Enterprise Edition LCMS OQ/PV Sulfa Standard 3	H225 - Highly flammable liquid and vapor. H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H315 - Causes skin irritation. H360 - May damage fertility or the unborn child. H370 - Causes damage to organs. (central nervous system (CNS))

Section 2. Hazards identification

Enterprise Edition LCMS OQ/PV Sulfa Standard 4	<p>system (CNS)) H335 - May cause respiratory irritation. H225 - Highly flammable liquid and vapor.</p> <p>H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H315 - Causes skin irritation. H360 - May damage fertility or the unborn child. H370 - Causes damage to organs. (central nervous system (CNS)) H335 - May cause respiratory irritation. H225 - Highly flammable liquid and vapor.</p>
Enterprise Edition LCMS OQ/PV Sulfa Standard 5	<p>H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H315 - Causes skin irritation. H360 - May damage fertility or the unborn child. H370 - Causes damage to organs. (central nervous system (CNS)) H335 - May cause respiratory irritation. H225 - Highly flammable liquid and vapor.</p>
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	<p>H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H315 - Causes skin irritation. H360 - May damage fertility or the unborn child. H370 - Causes damage to organs. (central nervous system (CNS)) H335 - May cause respiratory irritation.</p>
Enterprise Edition LCMS OQ/PV Sulfa Standard 1	<p>P201 - Obtain special instructions before use.</p> <p>P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P233 - Keep container tightly closed. P271 - Use only outdoors or in a well-ventilated area. P260 - Do not breathe vapor. P270 - Do not eat, drink or smoke when using this product. P264 - Wash hands thoroughly after handling. P201 - Obtain special instructions before use.</p>
Enterprise Edition LCMS OQ/PV Sulfa Standard 2	<p>P202 - Do not handle until all safety precautions have been read and understood.</p>

Precautionary statements

Prevention

: Enterprise Edition LCMS OQ/PV Sulfa Standard 1

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P233 - Keep container tightly closed.
P271 - Use only outdoors or in a well-ventilated area.
P260 - Do not breathe vapor.
P270 - Do not eat, drink or smoke when using this product.
P264 - Wash hands thoroughly after handling.
P201 - Obtain special instructions before use.

Section 2. Hazards identification

Enterprise Edition LCMS OQ/PV
Sulfa Standard 3

P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P233 - Keep container tightly closed.
P271 - Use only outdoors or in a well-ventilated area.
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P201 - Obtain special instructions before use.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 4

P202 - Do not handle until all safety precautions have been read and understood.
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Section 2. Hazards identification

Enterprise Edition LCMS OQ/PV
Sulfa Standard 5

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P260 - Do not breathe vapor.

P270 - Do not eat, drink or smoke when using this product.

P264 - Wash hands thoroughly after handling.

P201 - Obtain special instructions before use.

Enterprise Edition LCMS OQ/PV
Sulfa Standard Blank

P202 - Do not handle until all safety precautions have been read and understood.

P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P233 - Keep container tightly closed.

P271 - Use only outdoors or in a well-ventilated area.

P260 - Do not breathe vapor.

P270 - Do not eat, drink or smoke when using this product.

P264 - Wash hands thoroughly after handling.

P307 + P311 - IF exposed: Call a POISON CENTER or physician.

P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.

P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P302 + P352 + P312 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Take off contaminated clothing and wash it before

Response

: Enterprise Edition LCMS OQ/PV
Sulfa Standard 1

Section 2. Hazards identification

Enterprise Edition LCMS OQ/PV
Sulfa Standard 2

reuse.
P332 + P313 - If skin irritation occurs: Get medical attention.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical attention.
P307 + P311 - IF exposed: Call a POISON CENTER or physician.
P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P302 + P352 + P312 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Take off contaminated clothing and wash it before reuse.
P332 + P313 - If skin irritation occurs: Get medical attention.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical attention.
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Enterprise Edition LCMS OQ/PV
Sulfa Standard 3

Section 2. Hazards identification

Enterprise Edition LCMS OQ/PV
Sulfa Standard 4

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Enterprise Edition LCMS OQ/PV
Sulfa Standard 5

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P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P302 + P352 + P312 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Take off contaminated clothing and wash it before reuse.
P332 + P313 - If skin irritation occurs: Get medical attention.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical attention.

Enterprise Edition LCMS OQ/PV
Sulfa Standard Blank

P307 + P311 - IF exposed: Call a POISON CENTER or physician.
P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth.

Section 2. Hazards identification

Storage

: Enterprise Edition LCMS OQ/PV Sulfa Standard 1

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 P302 + P352 + P312 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Take off contaminated clothing and wash it before reuse.
 P332 + P313 - If skin irritation occurs: Get medical attention.
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 - If eye irritation persists: Get medical attention.

P405 - Store locked up.

Enterprise Edition LCMS OQ/PV Sulfa Standard 2

P403 - Store in a well-ventilated place.
 P235 - Keep cool.
 P405 - Store locked up.

Enterprise Edition LCMS OQ/PV Sulfa Standard 3

P403 - Store in a well-ventilated place.
 P235 - Keep cool.
 P405 - Store locked up.

Enterprise Edition LCMS OQ/PV Sulfa Standard 4

P403 - Store in a well-ventilated place.
 P235 - Keep cool.
 P405 - Store locked up.

Enterprise Edition LCMS OQ/PV Sulfa Standard 5

P403 - Store in a well-ventilated place.
 P235 - Keep cool.
 P405 - Store locked up.

Enterprise Edition LCMS OQ/PV Sulfa Standard Blank

P403 - Store in a well-ventilated place.
 P235 - Keep cool.
 P405 - Store locked up.

Disposal

: Enterprise Edition LCMS OQ/PV Sulfa Standard 1

P403 - Store in a well-ventilated place.
 P235 - Keep cool.

Enterprise Edition LCMS OQ/PV Sulfa Standard 2

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Enterprise Edition LCMS OQ/PV Sulfa Standard 3

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Enterprise Edition LCMS OQ/PV Sulfa Standard 4

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Enterprise Edition LCMS OQ/PV Sulfa Standard 5

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Enterprise Edition LCMS OQ/PV Sulfa Standard Blank

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Section 2. Hazards identification

Supplemental label elements	:	Enterprise Edition LCMS OQ/PV Sulfa Standard 1	None known.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 2	None known.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 3	None known.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 4	None known.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 5	None known.
		Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	None known.

2.3 Other hazards

Hazards not otherwise classified	:	Enterprise Edition LCMS OQ/PV Sulfa Standard 1	None known.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 2	None known.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 3	None known.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 4	None known.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 5	None known.
		Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	None known.

Section 3. Composition/information on ingredients

Substance/mixture	:	Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Mixture
		Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Mixture
		Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Mixture
		Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Mixture
		Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Mixture
		Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Mixture

Ingredient name	%	CAS number
Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Methanol	≥25 - ≤30	67-56-1
Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Methanol	≥25 - ≤30	67-56-1
Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Methanol	≥25 - <30	67-56-1
Enterprise Edition LCMS OQ/PV Sulfa Standard 4 Methanol	≥25 - <30	67-56-1
Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Methanol	≥25 - ≤30	67-56-1

Section 3. Composition/information on ingredients

Enterprise Edition LCMS OQ/PV Sulfa Standard Blank Methanol	≥25 - <30	67-56-1
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Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician.
Inhalation	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If

Section 4. First aid measures

Enterprise Edition LCMS OQ/PV
Sulfa Standard 2

necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 3

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 4

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 5

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth

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resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Enterprise Edition LCMS OQ/PV
Sulfa Standard Blank

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

: Enterprise Edition LCMS OQ/PV
Sulfa Standard 1

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 2

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 3

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 4

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 5

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash

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	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	clothing before reuse. Clean shoes thoroughly before reuse. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	Enterprise Edition LCMS OQ/PV	Wash out mouth with water. Remove dentures if

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any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 5

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Enterprise Edition LCMS OQ/PV
Sulfa Standard Blank

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Causes serious eye irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Causes serious eye irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Causes serious eye irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Causes serious eye irritation.

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	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Causes serious eye irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Causes serious eye irritation.
Inhalation	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Harmful if inhaled. May cause respiratory irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Harmful if inhaled. May cause respiratory irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Harmful if inhaled. May cause respiratory irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Harmful if inhaled. May cause respiratory irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Harmful if inhaled. May cause respiratory irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Harmful if inhaled. May cause respiratory irritation.
Skin contact	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Harmful in contact with skin. Causes skin irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Harmful in contact with skin. Causes skin irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Harmful in contact with skin. Causes skin irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Harmful in contact with skin. Causes skin irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Harmful in contact with skin. Causes skin irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Harmful in contact with skin. Causes skin irritation.
Ingestion	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Harmful if swallowed.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Harmful if swallowed.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Harmful if swallowed.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Harmful if swallowed.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Harmful if swallowed.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Harmful if swallowed.

Over-exposure signs/symptoms

Eye contact	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Adverse symptoms may include the following: pain or irritation watering redness
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Adverse symptoms may include the following: pain or irritation watering redness
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Adverse symptoms may include the following: pain or irritation watering redness
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Adverse symptoms may include the following:

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Inhalation

Enterprise Edition LCMS OQ/PV Sulfa Standard 5	pain or irritation watering redness Adverse symptoms may include the following:
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	pain or irritation watering redness Adverse symptoms may include the following:
: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	pain or irritation watering redness Adverse symptoms may include the following:
Enterprise Edition LCMS OQ/PV Sulfa Standard 2	respiratory tract irritation coughing reduced fetal weight increase in fetal deaths skeletal malformations Adverse symptoms may include the following:
Enterprise Edition LCMS OQ/PV Sulfa Standard 3	respiratory tract irritation coughing reduced fetal weight increase in fetal deaths skeletal malformations Adverse symptoms may include the following:
Enterprise Edition LCMS OQ/PV Sulfa Standard 4	respiratory tract irritation coughing reduced fetal weight increase in fetal deaths skeletal malformations Adverse symptoms may include the following:
Enterprise Edition LCMS OQ/PV Sulfa Standard 5	respiratory tract irritation coughing reduced fetal weight increase in fetal deaths skeletal malformations Adverse symptoms may include the following:
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	respiratory tract irritation coughing reduced fetal weight increase in fetal deaths skeletal malformations Adverse symptoms may include the following:
	respiratory tract irritation coughing reduced fetal weight increase in fetal deaths skeletal malformations

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Skin contact

Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations
Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations
Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations
Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations
Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations

Ingestion

Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

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Enterprise Edition LCMS OQ/PV Sulfa Standard 5	reduced fetal weight increase in fetal deaths skeletal malformations Adverse symptoms may include the following:
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	reduced fetal weight increase in fetal deaths skeletal malformations Adverse symptoms may include the following:
	reduced fetal weight increase in fetal deaths skeletal malformations

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	<ul style="list-style-type: none"> : Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Enterprise Edition LCMS OQ/PV Sulfa Standard 4 Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Enterprise Edition LCMS OQ/PV Sulfa Standard Blank 	<p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p>
Specific treatments	<ul style="list-style-type: none"> : Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Enterprise Edition LCMS OQ/PV Sulfa Standard 4 Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Enterprise Edition LCMS OQ/PV Sulfa Standard Blank 	<p>No specific treatment.</p> <p>No specific treatment.</p> <p>No specific treatment.</p> <p>No specific treatment.</p> <p>No specific treatment.</p> <p>No specific treatment.</p>
Protection of first-aiders	<ul style="list-style-type: none"> : Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Enterprise Edition LCMS OQ/PV Sulfa Standard 2 	<p>No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.</p> <p>No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person</p>

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Enterprise Edition LCMS OQ/PV
Sulfa Standard 3

providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 4

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 5

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Enterprise Edition LCMS OQ/PV
Sulfa Standard Blank

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

- : Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Use dry chemical, CO₂, water spray (fog) or foam.
- Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Use dry chemical, CO₂, water spray (fog) or foam.
- Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Use dry chemical, CO₂, water spray (fog) or foam.
- Enterprise Edition LCMS OQ/PV Sulfa Standard 4 Use dry chemical, CO₂, water spray (fog) or foam.
- Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Use dry chemical, CO₂, water spray (fog) or foam.
- Enterprise Edition LCMS OQ/PV Sulfa Standard Blank Use dry chemical, CO₂, water spray (fog) or foam.

Section 5. Fire-fighting measures

Unsuitable extinguishing media	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Do not use water jet.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Do not use water jet.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Do not use water jet.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Do not use water jet.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Do not use water jet.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
Hazardous thermal decomposition products	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Decomposition products may include the following materials: carbon dioxide carbon monoxide Formaldehyde.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Decomposition products may include the following materials: carbon dioxide carbon monoxide Formaldehyde.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Decomposition products may include the following materials: carbon dioxide carbon monoxide

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Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Formaldehyde. Decomposition products may include the following materials: carbon dioxide carbon monoxide Formaldehyde.
Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Formaldehyde. Decomposition products may include the following materials: carbon dioxide carbon monoxide Formaldehyde.
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Formaldehyde. Decomposition products may include the following materials: carbon dioxide carbon monoxide Formaldehyde.

5.3 Advice for firefighters

Special protective actions for fire-fighters

: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Section 5. Fire-fighting measures

Special protective equipment for fire-fighters	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Enterprise Edition LCMS OQ/PV	No action shall be taken involving any personal

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	Sulfa Standard 4	risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
<p>For emergency responders :</p>	Enterprise Edition LCMS OQ/PV Sulfa Standard 1	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Section 6. Accidental release measures

6.2 Environmental precautions	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an

Section 6. Accidental release measures

Enterprise Edition LCMS OQ/PV
Sulfa Standard 5

appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Enterprise Edition LCMS OQ/PV
Sulfa Standard Blank

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures

: Enterprise Edition LCMS OQ/PV
Sulfa Standard 1

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 2

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic

Section 7. Handling and storage

Enterprise Edition LCMS OQ/PV
Sulfa Standard 3

discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 4

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 5

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open

Section 7. Handling and storage

flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Enterprise Edition LCMS OQ/PV
Sulfa Standard Blank

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

: Enterprise Edition LCMS OQ/PV
Sulfa Standard 1

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 2

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 3

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 4

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Enterprise Edition LCMS OQ/PV
Sulfa Standard 5

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face

Section 7. Handling and storage

	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
<p>7.2 Conditions for safe storage, including any incompatibilities</p>	<p>:  Enterprise Edition LCMS OQ/PV Sulfa Standard 1</p> <p>Enterprise Edition LCMS OQ/PV Sulfa Standard 2</p> <p>Enterprise Edition LCMS OQ/PV Sulfa Standard 3</p> <p>Enterprise Edition LCMS OQ/PV Sulfa Standard 4</p>	<p>Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> <p>Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> <p>Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> <p>Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from</p>

Section 7. Handling and storage

Enterprise Edition LCMS OQ/PV
Sulfa Standard 5

incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Enterprise Edition LCMS OQ/PV
Sulfa Standard Blank

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations

- : Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Industrial applications, Professional applications.
- Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Industrial applications, Professional applications.
- Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Industrial applications, Professional applications.
- Enterprise Edition LCMS OQ/PV Sulfa Standard 4 Industrial applications, Professional applications.
- Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Industrial applications, Professional applications.
- Enterprise Edition LCMS OQ/PV Sulfa Standard Blank Industrial applications, Professional applications.

Section 7. Handling and storage

Industrial sector specific solutions	:	Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Not applicable.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Not applicable.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Not applicable.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Not applicable.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Not applicable.
		Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Not applicable.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Methanol	<p>ACGIH TLV (United States, 3/2017). Absorbed through skin. TWA: 200 ppm 8 hours. TWA: 262 mg/m³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 328 mg/m³ 15 minutes.</p> <p>OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. TWA: 200 ppm 8 hours. TWA: 260 mg/m³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 325 mg/m³ 15 minutes.</p> <p>NIOSH REL (United States, 10/2016). Absorbed through skin. TWA: 200 ppm 10 hours. TWA: 260 mg/m³ 10 hours. STEL: 250 ppm 15 minutes. STEL: 325 mg/m³ 15 minutes.</p> <p>OSHA PEL (United States, 6/2016). TWA: 200 ppm 8 hours. TWA: 260 mg/m³ 8 hours.</p>
Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Methanol	<p>ACGIH TLV (United States, 3/2017). Absorbed through skin. TWA: 200 ppm 8 hours. TWA: 262 mg/m³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 328 mg/m³ 15 minutes.</p> <p>OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. TWA: 200 ppm 8 hours. TWA: 260 mg/m³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 325 mg/m³ 15 minutes.</p> <p>NIOSH REL (United States, 10/2016). Absorbed through skin. TWA: 200 ppm 10 hours.</p>

Section 8. Exposure controls/personal protection

Enterprise Edition LCMS OQ/PV Sulfa Standard 3
Methanol

TWA: 260 mg/m³ 10 hours.
STEL: 250 ppm 15 minutes.
STEL: 325 mg/m³ 15 minutes.
OSHA PEL (United States, 6/2016).
TWA: 200 ppm 8 hours.
TWA: 260 mg/m³ 8 hours.

ACGIH TLV (United States, 3/2017).

Absorbed through skin.

TWA: 200 ppm 8 hours.
TWA: 262 mg/m³ 8 hours.
STEL: 250 ppm 15 minutes.
STEL: 328 mg/m³ 15 minutes.

OSHA PEL 1989 (United States, 3/1989).

Absorbed through skin.

TWA: 200 ppm 8 hours.
TWA: 260 mg/m³ 8 hours.
STEL: 250 ppm 15 minutes.
STEL: 325 mg/m³ 15 minutes.

NIOSH REL (United States, 10/2016).

Absorbed through skin.

TWA: 200 ppm 10 hours.
TWA: 260 mg/m³ 10 hours.
STEL: 250 ppm 15 minutes.
STEL: 325 mg/m³ 15 minutes.

OSHA PEL (United States, 6/2016).

TWA: 200 ppm 8 hours.
TWA: 260 mg/m³ 8 hours.

Enterprise Edition LCMS OQ/PV Sulfa Standard 4
Methanol

ACGIH TLV (United States, 3/2017).

Absorbed through skin.

TWA: 200 ppm 8 hours.
TWA: 262 mg/m³ 8 hours.
STEL: 250 ppm 15 minutes.
STEL: 328 mg/m³ 15 minutes.

OSHA PEL 1989 (United States, 3/1989).

Absorbed through skin.

TWA: 200 ppm 8 hours.
TWA: 260 mg/m³ 8 hours.
STEL: 250 ppm 15 minutes.
STEL: 325 mg/m³ 15 minutes.

NIOSH REL (United States, 10/2016).

Absorbed through skin.

TWA: 200 ppm 10 hours.
TWA: 260 mg/m³ 10 hours.
STEL: 250 ppm 15 minutes.
STEL: 325 mg/m³ 15 minutes.

OSHA PEL (United States, 6/2016).

TWA: 200 ppm 8 hours.
TWA: 260 mg/m³ 8 hours.

Enterprise Edition LCMS OQ/PV Sulfa Standard 5
Methanol

ACGIH TLV (United States, 3/2017).

Absorbed through skin.

Section 8. Exposure controls/personal protection

<p>Enterprise Edition LCMS OQ/PV Sulfa Standard Blank Methanol</p>	<p>TWA: 200 ppm 8 hours. TWA: 262 mg/m³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 328 mg/m³ 15 minutes. OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. TWA: 200 ppm 8 hours. TWA: 260 mg/m³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 325 mg/m³ 15 minutes. NIOSH REL (United States, 10/2016). Absorbed through skin. TWA: 200 ppm 10 hours. TWA: 260 mg/m³ 10 hours. STEL: 250 ppm 15 minutes. STEL: 325 mg/m³ 15 minutes. OSHA PEL (United States, 6/2016). TWA: 200 ppm 8 hours. TWA: 260 mg/m³ 8 hours.</p> <p>ACGIH TLV (United States, 3/2017). Absorbed through skin. TWA: 200 ppm 8 hours. TWA: 262 mg/m³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 328 mg/m³ 15 minutes. OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. TWA: 200 ppm 8 hours. TWA: 260 mg/m³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 325 mg/m³ 15 minutes. NIOSH REL (United States, 10/2016). Absorbed through skin. TWA: 200 ppm 10 hours. TWA: 260 mg/m³ 10 hours. STEL: 250 ppm 15 minutes. STEL: 325 mg/m³ 15 minutes. OSHA PEL (United States, 6/2016). TWA: 200 ppm 8 hours. TWA: 260 mg/m³ 8 hours.</p>
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8.2 Exposure controls

Appropriate engineering controls

- Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

- Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Section 8. Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

- Physical state** :
- | | |
|--|---------|
| Enterprise Edition LCMS OQ/PV Sulfa Standard 1 | Liquid. |
| Enterprise Edition LCMS OQ/PV Sulfa Standard 2 | Liquid. |
| Enterprise Edition LCMS OQ/PV Sulfa Standard 3 | Liquid. |
| Enterprise Edition LCMS OQ/PV Sulfa Standard 4 | Liquid. |
| Enterprise Edition LCMS OQ/PV Sulfa Standard 5 | Liquid. |
| Enterprise Edition LCMS OQ/PV Sulfa Standard Blank | Liquid. |
- Color** :
- | | |
|--|------------|
| Enterprise Edition LCMS OQ/PV Sulfa Standard 1 | Colorless. |
| Enterprise Edition LCMS OQ/PV Sulfa Standard 2 | Colorless. |
| Enterprise Edition LCMS OQ/PV Sulfa Standard 3 | Colorless. |
| Enterprise Edition LCMS OQ/PV Sulfa Standard 4 | Colorless. |
| Enterprise Edition LCMS OQ/PV Sulfa Standard 5 | Colorless. |
| Enterprise Edition LCMS OQ/PV Sulfa Standard Blank | Colorless. |

Section 9. Physical and chemical properties

Odor	:	Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Faint odor.	
		Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Faint odor.	
		Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Faint odor.	
		Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Faint odor.	
		Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Faint odor.	
		Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Faint odor.	
	Odor threshold	:	Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Not available.
			Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Not available.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Not available.	
		Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Not available.	
		Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Not available.	
		Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Not available.	
pH		:	Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Not available.
			Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Not available.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Not available.	
		Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Not available.	
		Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Not available.	
		Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Not available.	
	Melting point	:	Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Not available.
			Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Not available.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Not available.	
		Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Not available.	
		Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Not available.	
		Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Not available.	
Boiling point		:	Enterprise Edition LCMS OQ/PV Sulfa Standard 1	>35°C (>95°F)
			Enterprise Edition LCMS OQ/PV Sulfa Standard 2	>35°C (>95°F)
		Enterprise Edition LCMS OQ/PV Sulfa Standard 3	>35°C (>95°F)	
		Enterprise Edition LCMS OQ/PV Sulfa Standard 4	>35°C (>95°F)	
		Enterprise Edition LCMS OQ/PV Sulfa Standard 5	>35°C (>95°F)	
		Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	>35°C (>95°F)	

Section 9. Physical and chemical properties

	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	>35°C (>95°F)
Flash point	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Closed cup: <23°C (<73.4°F)
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Closed cup: <23°C (<73.4°F)
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Closed cup: <23°C (<73.4°F)
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Closed cup: <23°C (<73.4°F)
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Closed cup: <23°C (<73.4°F)
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Closed cup: <23°C (<73.4°F)
Evaporation rate	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Not available.
Flammability (solid, gas)	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Not applicable.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Not applicable.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Not applicable.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Not applicable.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Not applicable.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Not applicable.
Lower and upper explosive (flammable) limits	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Not available.
Vapor pressure	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Not available.

Section 9. Physical and chemical properties

	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Not available.
Vapor density	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Not available.
Relative density	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	0.937
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	0.937
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	0.937
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	0.937
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	0.937
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	0.937
Solubility	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Easily soluble in the following materials: cold water and hot water.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Easily soluble in the following materials: cold water and hot water.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Easily soluble in the following materials: cold water and hot water.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Easily soluble in the following materials: cold water and hot water.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Easily soluble in the following materials: cold water and hot water.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Not available.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Not available.

Section 9. Physical and chemical properties

Auto-ignition temperature	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Not available.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Not available.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Not available.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Not available.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Not available.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Not available.
	Decomposition temperature	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1
: Enterprise Edition LCMS OQ/PV Sulfa Standard 2		Not available.
: Enterprise Edition LCMS OQ/PV Sulfa Standard 3		Not available.
: Enterprise Edition LCMS OQ/PV Sulfa Standard 4		Not available.
: Enterprise Edition LCMS OQ/PV Sulfa Standard 5		Not available.
: Enterprise Edition LCMS OQ/PV Sulfa Standard Blank		Not available.
Viscosity		: Enterprise Edition LCMS OQ/PV Sulfa Standard 1
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Not available.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Not available.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Not available.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Not available.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Not available.

Section 10. Stability and reactivity

10.1 Reactivity	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	No specific test data related to reactivity available for this product or its ingredients.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 2	No specific test data related to reactivity available for this product or its ingredients.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 3	No specific test data related to reactivity available for this product or its ingredients.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 4	No specific test data related to reactivity available for this product or its ingredients.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 5	No specific test data related to reactivity available for this product or its ingredients.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	No specific test data related to reactivity available for this product or its ingredients.

Section 10. Stability and reactivity

10.2 Chemical stability	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	The product is stable.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 2	The product is stable.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 3	The product is stable.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 4	The product is stable.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 5	The product is stable.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	The product is stable.
10.3 Possibility of hazardous reactions	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Under normal conditions of storage and use, hazardous reactions will not occur.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Under normal conditions of storage and use, hazardous reactions will not occur.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Under normal conditions of storage and use, hazardous reactions will not occur.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Under normal conditions of storage and use, hazardous reactions will not occur.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Under normal conditions of storage and use, hazardous reactions will not occur.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
	: Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Section 10. Stability and reactivity

10.5 Incompatible materials	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Enterprise Edition LCMS OQ/PV Sulfa Standard 4 Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Reactive or incompatible with the following materials: oxidizing materials Reactive or incompatible with the following materials: oxidizing materials Reactive or incompatible with the following materials: oxidizing materials Reactive or incompatible with the following materials: oxidizing materials Reactive or incompatible with the following materials: oxidizing materials Reactive or incompatible with the following materials: oxidizing materials
10.6 Hazardous decomposition products	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Enterprise Edition LCMS OQ/PV Sulfa Standard 4 Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Methanol	LC50 Inhalation Vapor	Rat	145000 ppm	1 hours
	LC50 Inhalation Vapor	Rat	64000 ppm	4 hours
	LD50 Dermal	Rabbit	15800 mg/kg	-
	LD50 Oral	Rat	5600 mg/kg	-
Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Methanol	LC50 Inhalation Vapor	Rat	145000 ppm	1 hours
	LC50 Inhalation Vapor	Rat	64000 ppm	4 hours
	LD50 Dermal	Rabbit	15800 mg/kg	-
	LD50 Oral	Rat	5600 mg/kg	-

Section 11. Toxicological information

Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Methanol	LC50 Inhalation Vapor LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rat Rabbit Rat	145000 ppm 64000 ppm 15800 mg/kg 5600 mg/kg	1 hours 4 hours - -
Enterprise Edition LCMS OQ/PV Sulfa Standard 4 Methanol	LC50 Inhalation Vapor LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rat Rabbit Rat	145000 ppm 64000 ppm 15800 mg/kg 5600 mg/kg	1 hours 4 hours - -
Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Methanol	LC50 Inhalation Vapor LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rat Rabbit Rat	145000 ppm 64000 ppm 15800 mg/kg 5600 mg/kg	1 hours 4 hours - -
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank Methanol	LC50 Inhalation Vapor LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rat Rabbit Rat	145000 ppm 64000 ppm 15800 mg/kg 5600 mg/kg	1 hours 4 hours - -

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Methanol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	40 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Methanol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	40 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Methanol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	40 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
Enterprise Edition LCMS OQ/PV Sulfa Standard 4					

Section 11. Toxicological information

Methanol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	40 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
Enterprise Edition LCMS OQ/PV Sulfa Standard 5					
Methanol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	40 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank					
Methanol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	40 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-

Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Methanol	Category 1	Not determined	central nervous system (CNS)
	Category 3	Not applicable.	Respiratory tract irritation
Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Methanol	Category 1	Not determined	central nervous system (CNS)
	Category 3	Not applicable.	Respiratory tract irritation
Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Methanol	Category 1	Not determined	central nervous system (CNS)
	Category 3	Not applicable.	Respiratory tract irritation
Enterprise Edition LCMS OQ/PV Sulfa Standard 4			

Section 11. Toxicological information

Methanol	Category 1	Not determined	central nervous system (CNS)
	Category 3	Not applicable.	Respiratory tract irritation
Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Methanol	Category 1	Not determined	central nervous system (CNS)
	Category 3	Not applicable.	Respiratory tract irritation
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank Methanol	Category 1	Not determined	central nervous system (CNS)
	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure

: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Routes of entry anticipated: Oral, Dermal, Inhalation.
: Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Routes of entry anticipated: Oral, Dermal, Inhalation.
: Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Routes of entry anticipated: Oral, Dermal, Inhalation.
: Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Routes of entry anticipated: Oral, Dermal, Inhalation.
: Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Routes of entry anticipated: Oral, Dermal, Inhalation.
: Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact

: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Causes serious eye irritation.
: Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Causes serious eye irritation.
: Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Causes serious eye irritation.
: Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Causes serious eye irritation.
: Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Causes serious eye irritation.
: Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Causes serious eye irritation.

Inhalation

: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Harmful if inhaled. May cause respiratory irritation.
: Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Harmful if inhaled. May cause respiratory irritation.
: Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Harmful if inhaled. May cause respiratory irritation.
: Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Harmful if inhaled. May cause respiratory irritation.
: Enterprise Edition LCMS OQ/PV	Harmful if inhaled. May cause respiratory irritation.

Section 11. Toxicological information

	Sulfa Standard 5	Harmful if inhaled. May cause respiratory irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	
Skin contact	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Harmful in contact with skin. Causes skin irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Harmful in contact with skin. Causes skin irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Harmful in contact with skin. Causes skin irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Harmful in contact with skin. Causes skin irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Harmful in contact with skin. Causes skin irritation.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	
Ingestion	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Harmful if swallowed.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Harmful if swallowed.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Harmful if swallowed.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Harmful if swallowed.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Harmful if swallowed.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Adverse symptoms may include the following: pain or irritation watering redness
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Adverse symptoms may include the following: pain or irritation watering redness
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Adverse symptoms may include the following: pain or irritation watering redness
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Adverse symptoms may include the following: pain or irritation watering redness
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Adverse symptoms may include the following: pain or irritation watering redness
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Adverse symptoms may include the following: pain or irritation watering

Section 11. Toxicological information

Inhalation

: Enterprise Edition LCMS OQ/PV
Sulfa Standard 1

redness

Adverse symptoms may include the following:

respiratory tract irritation

coughing

reduced fetal weight

increase in fetal deaths

skeletal malformations

Enterprise Edition LCMS OQ/PV
Sulfa Standard 2

Adverse symptoms may include the following:

respiratory tract irritation

coughing

reduced fetal weight

increase in fetal deaths

skeletal malformations

Enterprise Edition LCMS OQ/PV
Sulfa Standard 3

Adverse symptoms may include the following:

respiratory tract irritation

coughing

reduced fetal weight

increase in fetal deaths

skeletal malformations

Enterprise Edition LCMS OQ/PV
Sulfa Standard 4

Adverse symptoms may include the following:

respiratory tract irritation

coughing

reduced fetal weight

increase in fetal deaths

skeletal malformations

Enterprise Edition LCMS OQ/PV
Sulfa Standard 5

Adverse symptoms may include the following:

respiratory tract irritation

coughing

reduced fetal weight

increase in fetal deaths

skeletal malformations

Enterprise Edition LCMS OQ/PV
Sulfa Standard Blank

Adverse symptoms may include the following:

respiratory tract irritation

coughing

reduced fetal weight

increase in fetal deaths

skeletal malformations

Skin contact

: Enterprise Edition LCMS OQ/PV
Sulfa Standard 1

Adverse symptoms may include the following:

irritation

redness

reduced fetal weight

increase in fetal deaths

skeletal malformations

Enterprise Edition LCMS OQ/PV
Sulfa Standard 2

Adverse symptoms may include the following:

irritation

redness

reduced fetal weight

increase in fetal deaths

skeletal malformations

Enterprise Edition LCMS OQ/PV

Adverse symptoms may include the following:

Section 11. Toxicological information

	Sulfa Standard 3	irritation redness reduced fetal weight increase in fetal deaths skeletal malformations
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

Section 11. Toxicological information

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	:	Enterprise Edition LCMS OQ/PV Sulfa Standard 1	No known significant effects or critical hazards.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 2	No known significant effects or critical hazards.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 3	No known significant effects or critical hazards.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 4	No known significant effects or critical hazards.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 5	No known significant effects or critical hazards.
		Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	No known significant effects or critical hazards.

Carcinogenicity	:	Enterprise Edition LCMS OQ/PV Sulfa Standard 1	No known significant effects or critical hazards.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 2	No known significant effects or critical hazards.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 3	No known significant effects or critical hazards.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 4	No known significant effects or critical hazards.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 5	No known significant effects or critical hazards.
		Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	No known significant effects or critical hazards.

Mutagenicity	:	Enterprise Edition LCMS OQ/PV Sulfa Standard 1	No known significant effects or critical hazards.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 2	No known significant effects or critical hazards.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 3	No known significant effects or critical hazards.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 4	No known significant effects or critical hazards.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 5	No known significant effects or critical hazards.
		Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	No known significant effects or critical hazards.

Teratogenicity	:	Enterprise Edition LCMS OQ/PV Sulfa Standard 1	May damage the unborn child.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 2	May damage the unborn child.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 3	May damage the unborn child.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 4	May damage the unborn child.
		Enterprise Edition LCMS OQ/PV Sulfa Standard 5	May damage the unborn child.

Section 11. Toxicological information

	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	May damage the unborn child.
Developmental effects	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	No known significant effects or critical hazards.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	No known significant effects or critical hazards.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	No known significant effects or critical hazards.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	No known significant effects or critical hazards.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	No known significant effects or critical hazards.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	No known significant effects or critical hazards.
Fertility effects	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	May damage fertility.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	May damage fertility.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	May damage fertility.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	May damage fertility.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	May damage fertility.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	May damage fertility.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Enterprise Edition LCMS OQ/PV Sulfa Standard 1	
Oral	394.8 mg/kg
Dermal	1184.4 mg/kg
Inhalation (vapors)	11.84 mg/l
Enterprise Edition LCMS OQ/PV Sulfa Standard 2	
Oral	394.8 mg/kg
Dermal	1184.4 mg/kg
Inhalation (vapors)	11.84 mg/l
Enterprise Edition LCMS OQ/PV Sulfa Standard 3	
Oral	394.8 mg/kg
Dermal	1184.4 mg/kg
Inhalation (vapors)	11.84 mg/l
Enterprise Edition LCMS OQ/PV Sulfa Standard 4	
Oral	394.8 mg/kg
Dermal	1184.4 mg/kg
Inhalation (vapors)	11.84 mg/l
Enterprise Edition LCMS OQ/PV Sulfa Standard 5	
Oral	394.8 mg/kg
Dermal	1184.4 mg/kg
Inhalation (vapors)	11.84 mg/l
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	

Section 11. Toxicological information

Oral	394.8 mg/kg
Dermal	1184.4 mg/kg
Inhalation (vapors)	11.84 mg/l

Other information	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	Adverse symptoms may include the following: blurred or double vision Eye contact can result in corneal damage or blindness. Repeated or prolonged exposure to the substance can produce liver damage. Repeated exposure may cause skin dryness or cracking.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	Adverse symptoms may include the following: blurred or double vision. Eye contact can result in corneal damage or blindness. Repeated or prolonged exposure to the substance can produce liver damage. Repeated exposure may cause skin dryness or cracking.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	Adverse symptoms may include the following: blurred or double vision. Eye contact can result in corneal damage or blindness. Repeated or prolonged exposure to the substance can produce liver damage. Repeated exposure may cause skin dryness or cracking.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4	Adverse symptoms may include the following: blurred or double vision. Eye contact can result in corneal damage or blindness. Repeated or prolonged exposure to the substance can produce liver damage. Repeated exposure may cause skin dryness or cracking.
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5	Adverse symptoms may include the following: blurred or double vision. Eye contact can result in corneal damage or blindness. Repeated or prolonged exposure to the substance can produce liver damage. Repeated exposure may cause skin dryness or cracking.
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank	Adverse symptoms may include the following: blurred or double vision. Eye contact can result in corneal damage or blindness. Repeated or prolonged exposure to the substance can produce liver damage. Repeated exposure may cause skin dryness or cracking.

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Methanol	Acute LC50 2500000 µg/l Marine water	Crustaceans - Crangon crangon - Adult	48 hours
	Acute LC50 3289 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 290 mg/l Fresh water	Fish - Danio rerio - Egg	96 hours
	Chronic NOEC 9.96 mg/l Marine water	Algae - Ulva pertusa	96 hours
Enterprise Edition LCMS OQ/PV Sulfa Standard 2			

Section 12. Ecological information

Methanol	Acute LC50 2500000 µg/l Marine water	Crustaceans - Crangon crangon - Adult	48 hours
	Acute LC50 3289 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 290 mg/l Fresh water	Fish - Danio rerio - Egg	96 hours
	Chronic NOEC 9.96 mg/l Marine water	Algae - Ulva pertusa	96 hours
Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Methanol	Acute LC50 2500000 µg/l Marine water	Crustaceans - Crangon crangon - Adult	48 hours
	Acute LC50 3289 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 290 mg/l Fresh water	Fish - Danio rerio - Egg	96 hours
	Chronic NOEC 9.96 mg/l Marine water	Algae - Ulva pertusa	96 hours
Enterprise Edition LCMS OQ/PV Sulfa Standard 4 Methanol	Acute LC50 2500000 µg/l Marine water	Crustaceans - Crangon crangon - Adult	48 hours
	Acute LC50 3289 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 290 mg/l Fresh water	Fish - Danio rerio - Egg	96 hours
	Chronic NOEC 9.96 mg/l Marine water	Algae - Ulva pertusa	96 hours
Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Methanol	Acute LC50 2500000 µg/l Marine water	Crustaceans - Crangon crangon - Adult	48 hours
	Acute LC50 3289 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 290 mg/l Fresh water	Fish - Danio rerio - Egg	96 hours
	Chronic NOEC 9.96 mg/l Marine water	Algae - Ulva pertusa	96 hours
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank Methanol	Acute LC50 2500000 µg/l Marine water	Crustaceans - Crangon crangon - Adult	48 hours
	Acute LC50 3289 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 290 mg/l Fresh water	Fish - Danio rerio - Egg	96 hours
	Chronic NOEC 9.96 mg/l Marine water	Algae - Ulva pertusa	96 hours

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Methanol	-0.77	<10	low
Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Methanol	-0.77	<10	low

Section 12. Ecological information

Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Methanol	-0.77	<10	low
Enterprise Edition LCMS OQ/PV Sulfa Standard 4 Methanol	-0.77	<10	low
Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Methanol	-0.77	<10	low
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank Methanol	-0.77	<10	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

12.5 Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Toxic hazardous waste "U" List

Ingredient	CAS #	Status	Reference number
Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Methanol (I); Methyl alcohol (I)	67-56-1	Listed	U154
Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Methanol (I); Methyl alcohol (I)	67-56-1	Listed	U154
Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Methanol (I); Methyl alcohol (I)	67-56-1	Listed	U154
Enterprise Edition LCMS OQ/PV Sulfa Standard 4 Methanol (I); Methyl alcohol (I)	67-56-1	Listed	U154
Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Methanol (I); Methyl alcohol (I)	67-56-1	Listed	U154

Section 13. Disposal considerations


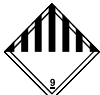



Enterprise Edition LCMS OQ/PV Sulfa Standard Blank Methanol (I); Methyl alcohol (I)	67-56-1	Listed	U154
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Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
UN number	UN3316	UN3316	UN3316	UN3316	UN3316
UN proper shipping name	Chemical kits	CHEMICAL KIT	EQUIPO QUIMICO	CHEMICAL KIT	Chemical kit
Transport hazard class(es)	9 	9 	9 	9 	9 
Packing group	II	II	II	II	II
Environmental hazards	No.	No.	No.	No.	No.

Additional information

DOT Classification

: **Reportable quantity** 19740 lbs / 8961.9 kg. The classification of the product is due solely to the presence of one or more US DOT-listed 'Hazardous substances' that are subject to reportable quantity requirements and only applies to shipments of packages greater than, or equal to, the product reportable quantity. Package sizes less than the product reportable quantity are not regulated as hazardous materials.

Limited quantity Yes.

Packaging instruction Exceptions: 161. Non-bulk: 161. Bulk: None.

Quantity limitation Passenger aircraft/rail: 10 kg. Cargo aircraft: 10 kg.

Special provisions 15

TDG Classification

: **Product** classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.43-2.45 (Class 9).

Explosive Limit and Limited Quantity Index 0

Passenger Carrying Road or Rail Index 10

Special provisions 65

Mexico Classification

: **Special provisions** 251, 340

IMDG

: **Emergency schedules** F-A, _S-P_

Special provisions 251, 340

IATA

: **Quantity limitation** Passenger and Cargo Aircraft: 10 kg. Packaging instructions: 960. Cargo Aircraft Only: 10 kg. Packaging instructions: 960. Limited Quantities - Passenger Aircraft: 1 kg. Packaging instructions: Y960.

Special provisions A44, A163

Section 14. Transport information

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification	: Enterprise Edition LCMS OQ/PV Sulfa Standard 1	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 FLAMMABLE LIQUIDS - Category 2
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2	ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 FLAMMABLE LIQUIDS - Category 2
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3	FLAMMABLE LIQUIDS - Category 2

Section 15. Regulatory information

Enterprise Edition LCMS OQ/PV
Sulfa Standard 4

ACUTE TOXICITY (oral) - Category 4
ACUTE TOXICITY (dermal) - Category 4
ACUTE TOXICITY (inhalation) - Category 4
SKIN IRRITATION - Category 2
EYE IRRITATION - Category 2A
TOXIC TO REPRODUCTION (Fertility) - Category 1B
TOXIC TO REPRODUCTION (Unborn child) - Category 1B
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(central nervous system (CNS)) - Category 1
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(Respiratory tract irritation) - Category 3
FLAMMABLE LIQUIDS - Category 2

Enterprise Edition LCMS OQ/PV
Sulfa Standard 5

ACUTE TOXICITY (oral) - Category 4
ACUTE TOXICITY (dermal) - Category 4
ACUTE TOXICITY (inhalation) - Category 4
SKIN IRRITATION - Category 2
EYE IRRITATION - Category 2A
TOXIC TO REPRODUCTION (Fertility) - Category 1B
TOXIC TO REPRODUCTION (Unborn child) - Category 1B
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(central nervous system (CNS)) - Category 1
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(Respiratory tract irritation) - Category 3
FLAMMABLE LIQUIDS - Category 2

Enterprise Edition LCMS OQ/PV
Sulfa Standard Blank

ACUTE TOXICITY (oral) - Category 4
ACUTE TOXICITY (dermal) - Category 4
ACUTE TOXICITY (inhalation) - Category 4
SKIN IRRITATION - Category 2
EYE IRRITATION - Category 2A
TOXIC TO REPRODUCTION (Fertility) - Category 1B
TOXIC TO REPRODUCTION (Unborn child) - Category 1B
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(central nervous system (CNS)) - Category 1
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(Respiratory tract irritation) - Category 3
FLAMMABLE LIQUIDS - Category 2

ACUTE TOXICITY (oral) - Category 4
ACUTE TOXICITY (dermal) - Category 4
ACUTE TOXICITY (inhalation) - Category 4
SKIN IRRITATION - Category 2
EYE IRRITATION - Category 2A
TOXIC TO REPRODUCTION (Fertility) - Category 1B
TOXIC TO REPRODUCTION (Unborn child) - Category 1B
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(central nervous system (CNS)) - Category 1
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(Respiratory tract irritation) - Category 3

[Composition/information on ingredients](#)

Name	%	Classification
Enterprise Edition LCMS OQ/ PV Sulfa Standard 1 Methanol	≥25 - ≤30	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
Enterprise Edition LCMS OQ/		

Section 15. Regulatory information

<p>PV Sulfa Standard 2 Methanol</p>	<p>≥25 - ≤30</p>	<p>FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3</p>
<p>Enterprise Edition LCMS OQ/ PV Sulfa Standard 3 Methanol</p>	<p>≥25 - <30</p>	<p>FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3</p>
<p>Enterprise Edition LCMS OQ/ PV Sulfa Standard 4 Methanol</p>	<p>≥25 - <30</p>	<p>FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3</p>
<p>Enterprise Edition LCMS OQ/ PV Sulfa Standard 5 Methanol</p>	<p>≥25 - ≤30</p>	<p>FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3</p>
<p>Enterprise Edition LCMS OQ/ PV Sulfa Standard Blank Methanol</p>	<p>≥25 - <30</p>	<p>FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1</p>

Section 15. Regulatory information

system (CNS)) - Category 1
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Methanol	67-56-1	≥25 - ≤30
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Methanol	67-56-1	≥25 - ≤30
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Methanol	67-56-1	≥25 - <30
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4 Methanol	67-56-1	≥25 - <30
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Methanol	67-56-1	≥25 - ≤30
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank Methanol	67-56-1	≥25 - <30
Supplier notification	Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Methanol	67-56-1	≥25 - ≤30
	Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Methanol	67-56-1	≥25 - ≤30
	Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Methanol	67-56-1	≥25 - <30
	Enterprise Edition LCMS OQ/PV Sulfa Standard 4 Methanol	67-56-1	≥25 - <30
	Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Methanol	67-56-1	≥25 - ≤30
	Enterprise Edition LCMS OQ/PV Sulfa Standard Blank Methanol	67-56-1	≥25 - <30

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations**Massachusetts**

: The following components are listed: METHANOL; METHYL ALCOHOL

Section 15. Regulatory information

- New York** : The following components are listed: Methanol
New Jersey : The following components are listed: METHYL ALCOHOL; METHANOL
Pennsylvania : The following components are listed: METHANOL
California Prop. 65

⚠ WARNING: This product can expose you to Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Enterprise Edition LCMS OQ/PV Sulfa Standard 1 Methanol	-	Yes.
Enterprise Edition LCMS OQ/PV Sulfa Standard 2 Methanol	-	Yes.
Enterprise Edition LCMS OQ/PV Sulfa Standard 3 Methanol	-	Yes.
Enterprise Edition LCMS OQ/PV Sulfa Standard 4 Methanol	-	Yes.
Enterprise Edition LCMS OQ/PV Sulfa Standard 5 Methanol	-	Yes.
Enterprise Edition LCMS OQ/PV Sulfa Standard Blank Methanol	-	Yes.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

- Australia** : Not determined.
Canada : Not determined.
China : Not determined.
Europe : All components are listed or exempted.
Japan : **Japan inventory (ENCS):** All components are listed or exempted.
Japan inventory (ISHL): All components are listed or exempted.
Malaysia : Not determined.
New Zealand : Not determined.
Philippines : Not determined.

Section 15. Regulatory information

Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Thailand	: <input checked="" type="checkbox"/> Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: <input checked="" type="checkbox"/> Not determined.

Section 16. Other information

History

Date of issue	: 02/18/2018
Date of previous issue	: 03/10/2016
Version	: 4

Procedure used to derive the classification

Classification	Justification
Enterprise Edition LCMS OQ/PV Sulfa Standard 1 FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method
Enterprise Edition LCMS OQ/PV Sulfa Standard 2 FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method
Enterprise Edition LCMS OQ/PV Sulfa Standard 3 FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method

Section 16. Other information

irritation) - Category 3	
<p>Enterprise Edition LCMS OQ/PV Sulfa Standard 4 FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3</p>	<p>On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method</p>
<p>Enterprise Edition LCMS OQ/PV Sulfa Standard 5 FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3</p>	<p>On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method</p>
<p>Enterprise Edition LCMS OQ/PV Sulfa Standard Blank FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3</p>	<p>On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method</p>

Indicates information that has changed from previously issued version.

Notice to reader

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