Conforms to US OSHA Hazard Communication 29CFR1910.1200

SAFETY DATA SHEET

Agilent Technologies

Infection Detection Panel I, Part Number 8929000

Section 1. Identification

1.1 Product identifier

Product name : Infection Detection Panel I, Part Number 8929000

Part no. (chemical kit) : 8929000

Part no. :

FITC Mouse anti-human CD14	8929996
PE Mouse anti-human CD64	8929997
PerCP Mouse anti-human CD45	8929998
APC Mouse anti-human HLA-DR	8929999
Lysing solution	891B604

Validation date : 8/10/2020

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

Material uses : For research use only. Not for use in diagnostic procedures (RUO).

FITC Mouse anti-human CD14	0.25 ml
PE Mouse anti-human CD64	0.25 ml
PerCP Mouse anti-human CD45	0.25 ml
APC Mouse anti-human HLA-DR	0.25 ml
Lysing solution	5 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

OSHA/HCS status :

FITC Mouse anti-human CD14	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
PE Mouse anti-human CD64	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
PerCP Mouse anti-human CD45	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
APC Mouse anti-human HLA-DR	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Lysing solution	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

FITC Mouse anti-human CD14
H412 AQUATIC HAZARD (LONG-TERM) - Category 3

PE Mouse anti-human CD64
H412 AQUATIC HAZARD (LONG-TERM) - Category 3

PerCP Mouse anti-human CD45
H412 AQUATIC HAZARD (LONG-TERM) - Category 3

Section 2. Hazards identification

APC Mouse anti-human HLA-DR

H412	AQUATIC HAZARD (LONG-TERM) - Category 3

Lysing solution

H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H331	ACUTE TOXICITY (inhalation) - Category 3
H315	SKIN IRRITATION - Category 2
H319	EYE IRRITATION - Category 2A
H317	SKIN SENSITIZATION - Category 1
H341	GERM CELL MUTAGENICITY - Category 2
H350	CARCINOGENICITY - Category 1A
H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Ingredients of unknown toxicity : Lysing solution — Percentage of the mixture consisting of ingredient (s) of unknown acute dermal toxicity: 1 - 10%
Percentage of the mixture consisting of ingredient (s) of unknown acute inhalation toxicity: 30 - 60%
Percentage of the mixture consisting of ingredient (s) of unknown acute oral toxicity: 1 - 10%

Lysing solution — Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 1%

2.2 GHS label elements

Hazard pictograms : Lysing solution

Signal word :

FITC Mouse anti-human CD14	No signal word.
PE Mouse anti-human CD64	No signal word.
PerCP Mouse anti-human CD45	No signal word.
APC Mouse anti-human HLA-DR	No signal word.
Lysing solution	Danger

Hazard statements :

FITC Mouse anti-human CD14	H412 - Harmful to aquatic life with long lasting effects.
PE Mouse anti-human CD64	H412 - Harmful to aquatic life with long lasting effects.
PerCP Mouse anti-human CD45	H412 - Harmful to aquatic life with long lasting effects.
APC Mouse anti-human HLA-DR	H412 - Harmful to aquatic life with long lasting effects.
Lysing solution	H302 + H312 - Harmful if swallowed or in contact with skin. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H331 - Toxic if inhaled. H335 - May cause respiratory irritation. H341 - Suspected of causing genetic defects. H350 - May cause cancer. H373 - May cause damage to organs through prolonged or repeated exposure. (kidneys)

Precautionary statements

Section 2. Hazards identification

Prevention	:	FITC Mouse anti-human CD14	P273 - Avoid release to the environment.
		PE Mouse anti-human CD64	P273 - Avoid release to the environment.
		PerCP Mouse anti-human CD45	P273 - Avoid release to the environment.
		APC Mouse anti-human HLA-DR	P273 - Avoid release to the environment.
		Lysing solution	P201 - Obtain special instructions before use. P280 - Wear protective gloves. Wear protective clothing. Wear eye or face protection. P260 - Do not breathe vapor.
Response	:	FITC Mouse anti-human CD14	Not applicable.
		PE Mouse anti-human CD64	Not applicable.
		PerCP Mouse anti-human CD45	Not applicable.
		APC Mouse anti-human HLA-DR	Not applicable.
		Lysing solution	P308 + P313 - IF exposed or concerned: Get medical advice or attention.
Storage	:	FITC Mouse anti-human CD14	Not applicable.
		PE Mouse anti-human CD64	Not applicable.
		PerCP Mouse anti-human CD45	Not applicable.
		APC Mouse anti-human HLA-DR	Not applicable.
		Lysing solution	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
Disposal	:	FITC Mouse anti-human CD14	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
		PE Mouse anti-human CD64	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
		PerCP Mouse anti-human CD45	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
		APC Mouse anti-human HLA-DR	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
		Lysing solution	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	:	FITC Mouse anti-human CD14	None known.
		PE Mouse anti-human CD64	None known.
		PerCP Mouse anti-human CD45	None known.
		APC Mouse anti-human HLA-DR	None known.
		Lysing solution	None known.

2.3 Other hazards

Hazards not otherwise classified	:	FITC Mouse anti-human CD14	None known.
		PE Mouse anti-human CD64	None known.
		PerCP Mouse anti-human CD45	None known.
		APC Mouse anti-human HLA-DR	None known.
		Lysing solution	None known.

Section 3. Composition/information on ingredients

Substance/mixture	:	FITC Mouse anti-human CD14	Mixture
		PE Mouse anti-human CD64	Mixture
		PerCP Mouse anti-human CD45	Mixture
		APC Mouse anti-human HLA-DR	Mixture
		Lysing solution	Mixture

Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
FITC Mouse anti-human CD14		
Sodium azide	<1	26628-22-8
PE Mouse anti-human CD64		
Sodium azide	<1	26628-22-8
PerCP Mouse anti-human CD45		
Sodium azide	<1	26628-22-8
APC Mouse anti-human HLA-DR		
Sodium azide	<1	26628-22-8
Lysing solution		
2,2' -oxybisethanol	≥25 - ≤50	111-46-6
Formaldehyde, solution	≥10 - ≤15	50-00-0

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 :

FITC Mouse anti-human CD14: 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 irritation occurs.

PE Mouse anti-human CD64: 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 irritation occurs.

PerCP Mouse anti-human CD45: 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 irritation occurs.

APC Mouse anti-human HLA-DR: 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 irritation occurs.

Lysing solution: 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.

Section 4. First aid measures

Inhalation	:	FITC Mouse anti-human CD14	Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 adverse health effects persist or are severe. 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.
		PE Mouse anti-human CD64	Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 adverse health effects persist or are severe. 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.
		PerCP Mouse anti-human CD45	Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 adverse health effects persist or are severe. 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.
		APC Mouse anti-human HLA-DR	Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 adverse health effects persist or are severe. 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.
		Lysing solution	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

Section 4. First aid measures

			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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	:	FITC Mouse anti-human CD14	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		PE Mouse anti-human CD64	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		PerCP Mouse anti-human CD45	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		APC Mouse anti-human HLA-DR	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		Lysing solution	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. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	:	FITC Mouse anti-human CD14	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 adverse health effects persist or are severe. 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.
		PE Mouse anti-human CD64	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

Section 4. First aid measures

	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 adverse health effects persist or are severe. 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.
PerCP Mouse anti-human CD45	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 adverse health effects persist or are severe. 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.
APC Mouse anti-human HLA-DR	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 adverse health effects persist or are severe. 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.
Lysing solution	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.

Section 4. First aid measures

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	Causes serious eye irritation.
Inhalation	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	Toxic if inhaled. May cause respiratory irritation.
Skin contact	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
Ingestion	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	Harmful if swallowed.

Over-exposure signs/symptoms

Eye contact	:	FITC Mouse anti-human CD14	No specific data.
		PE Mouse anti-human CD64	No specific data.
		PerCP Mouse anti-human CD45	No specific data.
		APC Mouse anti-human HLA-DR	No specific data.
		Lysing solution	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	:	FITC Mouse anti-human CD14	No specific data.
		PE Mouse anti-human CD64	No specific data.
		PerCP Mouse anti-human CD45	No specific data.
		APC Mouse anti-human HLA-DR	No specific data.
		Lysing solution	Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	:	FITC Mouse anti-human CD14	No specific data.
		PE Mouse anti-human CD64	No specific data.
		PerCP Mouse anti-human CD45	No specific data.
		APC Mouse anti-human HLA-DR	No specific data.
		Lysing solution	Adverse symptoms may include the following: irritation redness
Ingestion	:	FITC Mouse anti-human CD14	No specific data.
		PE Mouse anti-human CD64	No specific data.
		PerCP Mouse anti-human CD45	No specific data.
		APC Mouse anti-human HLA-DR	No specific data.
		Lysing solution	No specific data.

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

Section 4. First aid measures

Notes to physician	:	FITC Mouse anti-human CD14	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		PE Mouse anti-human CD64	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		PerCP Mouse anti-human CD45	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		APC Mouse anti-human HLA-DR	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		Lysing solution	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	:	FITC Mouse anti-human CD14	No specific treatment.
		PE Mouse anti-human CD64	No specific treatment.
		PerCP Mouse anti-human CD45	No specific treatment.
		APC Mouse anti-human HLA-DR	No specific treatment.
		Lysing solution	No specific treatment.
Protection of first-aiders	:	FITC Mouse anti-human CD14	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
		PE Mouse anti-human CD64	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
		PerCP Mouse anti-human CD45	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
		APC Mouse anti-human HLA-DR	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
		Lysing solution	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

Section 5. Fire-fighting measures

Suitable extinguishing media	:	FITC Mouse anti-human CD14	Use an extinguishing agent suitable for the surrounding fire.
		PE Mouse anti-human CD64	Use an extinguishing agent suitable for the surrounding fire.
		PerCP Mouse anti-human CD45	Use an extinguishing agent suitable for the surrounding fire.
		APC Mouse anti-human HLA-DR	Use an extinguishing agent suitable for the surrounding fire.
		Lysing solution	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	FITC Mouse anti-human CD14	None known.
		PE Mouse anti-human CD64	None known.
		PerCP Mouse anti-human CD45	None known.
		APC Mouse anti-human HLA-DR	None known.
		Lysing solution	None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	:	FITC Mouse anti-human CD14	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
		PE Mouse anti-human CD64	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
		PerCP Mouse anti-human CD45	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
		APC Mouse anti-human HLA-DR	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
		Lysing solution	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	FITC Mouse anti-human CD14	No specific data.
		PE Mouse anti-human CD64	No specific data.
		PerCP Mouse anti-human CD45	No specific data.
		APC Mouse anti-human HLA-DR	No specific data.
		Lysing solution	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides

5.3 Advice for firefighters

Section 5. Fire-fighting measures

Special protective actions for fire-fighters	:	FITC Mouse anti-human CD14	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.
		PE Mouse anti-human CD64	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.
		PerCP Mouse anti-human CD45	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.
		APC Mouse anti-human HLA-DR	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.
		Lysing solution	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.
Special protective equipment for fire-fighters	:	FITC Mouse anti-human CD14	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		PE Mouse anti-human CD64	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		PerCP Mouse anti-human CD45	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		APC Mouse anti-human HLA-DR	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		Lysing solution	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	:	FITC Mouse anti-human CD14	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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
		PE Mouse anti-human CD64	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. Avoid breathing vapor or mist. Provide adequate

Section 6. Accidental release measures

		ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	PerCP Mouse anti-human CD45	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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	APC Mouse anti-human HLA-DR	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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Lysing solution	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. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders :	FITC Mouse anti-human CD14	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".
	PE Mouse anti-human CD64	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".
	PerCP Mouse anti-human CD45	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".
	APC Mouse anti-human HLA-DR	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".
	Lysing solution	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".
6.2 Environmental precautions :	FITC Mouse anti-human CD14	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). Water polluting material. May be harmful to the environment if released in large quantities.

Section 6. Accidental release measures

PE Mouse anti-human CD64	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). Water polluting material. May be harmful to the environment if released in large quantities.
PerCP Mouse anti-human CD45	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). Water polluting material. May be harmful to the environment if released in large quantities.
APC Mouse anti-human HLA-DR	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). Water polluting material. May be harmful to the environment if released in large quantities.
Lysing solution	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	:	FITC Mouse anti-human CD14	Stop leak if without risk. Move containers from spill area. 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.
		PE Mouse anti-human CD64	Stop leak if without risk. Move containers from spill area. 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.
		PerCP Mouse anti-human CD45	Stop leak if without risk. Move containers from spill area. 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.
		APC Mouse anti-human HLA-DR	Stop leak if without risk. Move containers from spill area. 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.
		Lysing solution	Stop leak if without risk. Move containers from spill area. 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	:	FITC Mouse anti-human CD14	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
		PE Mouse anti-human CD64	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
		PerCP Mouse anti-human CD45	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
		APC Mouse anti-human HLA-DR	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
		Lysing solution	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. 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. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Section 7. Handling and storage

Advice on general occupational hygiene	:	FITC Mouse anti-human CD14	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.
		PE Mouse anti-human CD64	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.
		PerCP Mouse anti-human CD45	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.
		APC Mouse anti-human HLA-DR	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.
		Lysing solution	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.
7.2 Conditions for safe storage, including any incompatibilities	:	FITC Mouse anti-human CD14	Store in accordance with local regulations. 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. 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.
		PE Mouse anti-human CD64	Store in accordance with local regulations. 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. 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.

Section 7. Handling and storage

PerCP Mouse anti-human CD45	Store in accordance with local regulations. 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. 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.
APC Mouse anti-human HLA-DR	Store in accordance with local regulations. 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. 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.
Lysing solution	Store in accordance with local regulations. 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. 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	:	FITC Mouse anti-human CD14	Industrial applications, Professional applications.
		PE Mouse anti-human CD64	Industrial applications, Professional applications.
		PerCP Mouse anti-human CD45	Industrial applications, Professional applications.
		APC Mouse anti-human HLA-DR	Industrial applications, Professional applications.
		Lysing solution	Industrial applications, Professional applications.
Industrial sector specific solutions	:	FITC Mouse anti-human CD14	Not applicable.
		PE Mouse anti-human CD64	Not applicable.
		PerCP Mouse anti-human CD45	Not applicable.
		APC Mouse anti-human HLA-DR	Not applicable.
		Lysing solution	Not applicable.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
FITC Mouse anti-human CD14 Sodium azide	**ACGIH TLV (United States, 3/2019).** C: 0.29 mg/m³, (as Sodium azide) C: 0.11 ppm, (as Hydrazoic acid vapor) **OSHA PEL 1989 (United States, 3/1989).** **Absorbed through skin.** CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (as NaN3) **NIOSH REL (United States, 10/2016).** **Absorbed through skin.** CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (NAN3)
PE Mouse anti-human CD64 Sodium azide	**ACGIH TLV (United States, 3/2019).** C: 0.29 mg/m³, (as Sodium azide) C: 0.11 ppm, (as Hydrazoic acid vapor) **OSHA PEL 1989 (United States, 3/1989).** **Absorbed through skin.** CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (as NaN3) **NIOSH REL (United States, 10/2016).** **Absorbed through skin.** CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (NAN3)
PerCP Mouse anti-human CD45 Sodium azide	**ACGIH TLV (United States, 3/2019).** C: 0.29 mg/m³, (as Sodium azide) C: 0.11 ppm, (as Hydrazoic acid vapor) **OSHA PEL 1989 (United States, 3/1989).** **Absorbed through skin.** CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (as NaN3) **NIOSH REL (United States, 10/2016).** **Absorbed through skin.** CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (NAN3)
APC Mouse anti-human HLA-DR Sodium azide	**ACGIH TLV (United States, 3/2019).** C: 0.29 mg/m³, (as Sodium azide) C: 0.11 ppm, (as Hydrazoic acid vapor) **OSHA PEL 1989 (United States, 3/1989).** **Absorbed through skin.** CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (as NaN3) **NIOSH REL (United States, 10/2016).** **Absorbed through skin.** CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (NAN3)
Lysing solution 2,2' -oxybisethanol	**AIHA WEEL (United States, 7/2018).** TWA: 10 mg/m³ 8 hours.

Section 8. Exposure controls/personal protection

Formaldehyde, solution	**ACGIH TLV (United States, 3/2019). Skin sensitizer. Inhalation sensitizer.** STEL: 0.3 ppm 15 minutes. TWA: 0.1 ppm 8 hours. **OSHA PEL 1989 (United States, 3/1989).** TWA: 0.75 ppm 8 hours. STEL: 2 ppm 15 minutes. **OSHA PEL Z2 (United States, 2/2013).** TWA: 0.75 ppm 8 hours. STEL: 2 ppm 15 minutes. **NIOSH REL (United States, 10/2016).** TWA: 0.016 ppm 10 hours. CEIL: 0.1 ppm 15 minutes. **OSHA PEL (United States, 5/2018).** TWA: 0.75 ppm 8 hours. STEL: 2 ppm 15 minutes.

8.2 Exposure controls

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, 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

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. Contaminated work clothing should not be allowed out of the workplace. 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.

Section 8. Exposure controls/personal protection

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	:	FITC Mouse anti-human CD14	Liquid.
		PE Mouse anti-human CD64	Liquid.
		PerCP Mouse anti-human CD45	Liquid.
		APC Mouse anti-human HLA-DR	Liquid.
		Lysing solution	Liquid.
Color	:	FITC Mouse anti-human CD14	Not available.
		PE Mouse anti-human CD64	Not available.
		PerCP Mouse anti-human CD45	Not available.
		APC Mouse anti-human HLA-DR	Not available.
		Lysing solution	Not available.
Odor	:	FITC Mouse anti-human CD14	Not available.
		PE Mouse anti-human CD64	Not available.
		PerCP Mouse anti-human CD45	Not available.
		APC Mouse anti-human HLA-DR	Not available.
		Lysing solution	Not available.
Odor threshold	:	FITC Mouse anti-human CD14	Not available.
		PE Mouse anti-human CD64	Not available.
		PerCP Mouse anti-human CD45	Not available.
		APC Mouse anti-human HLA-DR	Not available.
		Lysing solution	Not available.
pH	:	FITC Mouse anti-human CD14	Not available.
		PE Mouse anti-human CD64	Not available.
		PerCP Mouse anti-human CD45	Not available.
		APC Mouse anti-human HLA-DR	Not available.
		Lysing solution	Not available.
Melting point	:	FITC Mouse anti-human CD14	0°C (32°F)
		PE Mouse anti-human CD64	0°C (32°F)
		PerCP Mouse anti-human CD45	0°C (32°F)
		APC Mouse anti-human HLA-DR	0°C (32°F)
		Lysing solution	Not available.
Boiling point	:	FITC Mouse anti-human CD14	100°C (212°F)
		PE Mouse anti-human CD64	100°C (212°F)
		PerCP Mouse anti-human CD45	100°C (212°F)
		APC Mouse anti-human HLA-DR	100°C (212°F)
		Lysing solution	Not available.
Flash point	:	FITC Mouse anti-human CD14	Not available.
		PE Mouse anti-human CD64	Not available.
		PerCP Mouse anti-human CD45	Not available.
		APC Mouse anti-human HLA-DR	Not available.
		Lysing solution	Not available.
Evaporation rate	:	FITC Mouse anti-human CD14	Not available.
		PE Mouse anti-human CD64	Not available.
		PerCP Mouse anti-human CD45	Not available.
		APC Mouse anti-human HLA-DR	Not available.
		Lysing solution	Not available.

Section 9. Physical and chemical properties

Flammability (solid, gas)	:	FITC Mouse anti-human CD14	Not applicable.
		PE Mouse anti-human CD64	Not applicable.
		PerCP Mouse anti-human CD45	Not applicable.
		APC Mouse anti-human HLA-DR	Not applicable.
		Lysing solution	Not applicable.
Lower and upper explosive (flammable) limits	:	FITC Mouse anti-human CD14	Not available.
		PE Mouse anti-human CD64	Not available.
		PerCP Mouse anti-human CD45	Not available.
		APC Mouse anti-human HLA-DR	Not available.
		Lysing solution	Not available.
Vapor pressure	:	FITC Mouse anti-human CD14	Not available.
		PE Mouse anti-human CD64	Not available.
		PerCP Mouse anti-human CD45	Not available.
		APC Mouse anti-human HLA-DR	Not available.
		Lysing solution	Not available.
Vapor density	:	FITC Mouse anti-human CD14	Not available.
		PE Mouse anti-human CD64	Not available.
		PerCP Mouse anti-human CD45	Not available.
		APC Mouse anti-human HLA-DR	Not available.
		Lysing solution	Not available.
Relative density	:	FITC Mouse anti-human CD14	Not available.
		PE Mouse anti-human CD64	Not available.
		PerCP Mouse anti-human CD45	Not available.
		APC Mouse anti-human HLA-DR	Not available.
		Lysing solution	Not available.
Solubility	:	FITC Mouse anti-human CD14	Easily soluble in the following materials: cold water and hot water.
		PE Mouse anti-human CD64	Easily soluble in the following materials: cold water and hot water.
		PerCP Mouse anti-human CD45	Easily soluble in the following materials: cold water and hot water.
		APC Mouse anti-human HLA-DR	Easily soluble in the following materials: cold water and hot water.
		Lysing solution	Soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	:	FITC Mouse anti-human CD14	Not available.
		PE Mouse anti-human CD64	Not available.
		PerCP Mouse anti-human CD45	Not available.
		APC Mouse anti-human HLA-DR	Not available.
		Lysing solution	Not available.
Auto-ignition temperature	:	FITC Mouse anti-human CD14	Not available.
		PE Mouse anti-human CD64	Not available.
		PerCP Mouse anti-human CD45	Not available.
		APC Mouse anti-human HLA-DR	Not available.
		Lysing solution	Not available.
Decomposition temperature	:	FITC Mouse anti-human CD14	Not available.
		PE Mouse anti-human CD64	Not available.
		PerCP Mouse anti-human CD45	Not available.
		APC Mouse anti-human HLA-DR	Not available.
		Lysing solution	Not available.
Viscosity	:	FITC Mouse anti-human CD14	Not available.
		PE Mouse anti-human CD64	Not available.
		PerCP Mouse anti-human CD45	Not available.
		APC Mouse anti-human HLA-DR	Not available.
		Lysing solution	Not available.

Section 10. Stability and reactivity

10.1 Reactivity	:	FITC Mouse anti-human CD14	No specific test data related to reactivity available for this product or its ingredients.
		PE Mouse anti-human CD64	No specific test data related to reactivity available for this product or its ingredients.
		PerCP Mouse anti-human CD45	No specific test data related to reactivity available for this product or its ingredients.
		APC Mouse anti-human HLA-DR	No specific test data related to reactivity available for this product or its ingredients.
		Lysing solution	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	FITC Mouse anti-human CD14	The product is stable.
		PE Mouse anti-human CD64	The product is stable.
		PerCP Mouse anti-human CD45	The product is stable.
		APC Mouse anti-human HLA-DR	The product is stable.
		Lysing solution	The product is stable.
10.3 Possibility of hazardous reactions	:	FITC Mouse anti-human CD14	Under normal conditions of storage and use, hazardous reactions will not occur.
		PE Mouse anti-human CD64	Under normal conditions of storage and use, hazardous reactions will not occur.
		PerCP Mouse anti-human CD45	Under normal conditions of storage and use, hazardous reactions will not occur.
		APC Mouse anti-human HLA-DR	Under normal conditions of storage and use, hazardous reactions will not occur.
		Lysing solution	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	FITC Mouse anti-human CD14	No specific data.
		PE Mouse anti-human CD64	No specific data.
		PerCP Mouse anti-human CD45	No specific data.
		APC Mouse anti-human HLA-DR	No specific data.
		Lysing solution	No specific data.
10.5 Incompatible materials	:	FITC Mouse anti-human CD14	May react or be incompatible with oxidizing materials.
		PE Mouse anti-human CD64	May react or be incompatible with oxidizing materials.
		PerCP Mouse anti-human CD45	May react or be incompatible with oxidizing materials.
		APC Mouse anti-human HLA-DR	May react or be incompatible with oxidizing materials.
		Lysing solution	May react or be incompatible with oxidizing materials.
10.6 Hazardous decomposition products	:	FITC Mouse anti-human CD14	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		PE Mouse anti-human CD64	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		PerCP Mouse anti-human CD45	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		APC Mouse anti-human HLA-DR	Under normal conditions of storage and use, hazardous decomposition products should not be

Section 10. Stability and reactivity

	produced.
Lysing solution	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
FITC Mouse anti-human CD14				
Sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
PE Mouse anti-human CD64				
Sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
PerCP Mouse anti-human CD45				
Sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
APC Mouse anti-human HLA-DR				
Sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
Lysing solution				
2,2' -oxybisethanol	LD50 Dermal	Rabbit	11890 mg/kg	-
	LD50 Oral	Rat	12000 mg/kg	-
Formaldehyde, solution	LC50 Inhalation Vapor	Rat	250 ppm	4 hours
	LD50 Dermal	Rabbit	270 mg/kg	-
	LD50 Oral	Rat	100 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Lysing solution					
2,2' -oxybisethanol	Eyes - Mild irritant	Rabbit	-	50 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
Formaldehyde, solution	Eyes - Severe irritant	Rabbit	-	24 hours 750 ug	-
	Eyes - Severe irritant	Rabbit	-	750 ug	-
	Skin - Moderate irritant	Rabbit	-	24 hours 50 mg	-
	Skin - Severe irritant	Rabbit	-	24 hours 2 mg	-

Sensitization

Not available.

Mutagenicity

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Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Lysing solution Formaldehyde, solution	+	1	Known to be a human carcinogen.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Lysing solution Formaldehyde, solution	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
FITC Mouse anti-human CD14 Sodium azide	Category 2	-	cardiovascular system, central nervous system (CNS), lungs
PE Mouse anti-human CD64 Sodium azide	Category 2	-	cardiovascular system, central nervous system (CNS), lungs
PerCP Mouse anti-human CD45 Sodium azide	Category 2	-	cardiovascular system, central nervous system (CNS), lungs
APC Mouse anti-human HLA-DR Sodium azide	Category 2	-	cardiovascular system, central nervous system (CNS), lungs
Lysing solution 2,2' -oxybisethanol	Category 2	oral	kidneys

Aspiration hazard

Not available.

Section 11. Toxicological information

Information on the likely routes of exposure	:	FITC Mouse anti-human CD14	Not available.
		PE Mouse anti-human CD64	Not available.
		PerCP Mouse anti-human CD45	Not available.
		APC Mouse anti-human HLA-DR	Not available.
		Lysing solution	Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	Causes serious eye irritation.
Inhalation	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	Toxic if inhaled. May cause respiratory irritation.
Skin contact	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
Ingestion	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	FITC Mouse anti-human CD14	No specific data.
		PE Mouse anti-human CD64	No specific data.
		PerCP Mouse anti-human CD45	No specific data.
		APC Mouse anti-human HLA-DR	No specific data.
		Lysing solution	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	:	FITC Mouse anti-human CD14	No specific data.
		PE Mouse anti-human CD64	No specific data.
		PerCP Mouse anti-human CD45	No specific data.
		APC Mouse anti-human HLA-DR	No specific data.
		Lysing solution	Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	:	FITC Mouse anti-human CD14	No specific data.
		PE Mouse anti-human CD64	No specific data.
		PerCP Mouse anti-human CD45	No specific data.
		APC Mouse anti-human HLA-DR	No specific data.
		Lysing solution	Adverse symptoms may include the following: irritation redness
Ingestion	:	FITC Mouse anti-human CD14	No specific data.
		PE Mouse anti-human CD64	No specific data.
		PerCP Mouse anti-human CD45	No specific data.
		APC Mouse anti-human HLA-DR	No specific data.
		Lysing solution	No specific data.

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	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	Suspected of causing genetic defects.
Teratogenicity	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	No known significant effects or critical hazards.
Developmental effects	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	No known significant effects or critical hazards.
Fertility effects	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Section 11. Toxicological information

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
FITC Mouse anti-human CD14					
Sodium azide	27	20	N/A	N/A	N/A
PE Mouse anti-human CD64					
Sodium azide	27	20	N/A	N/A	N/A
PerCP Mouse anti-human CD45					
Sodium azide	27	20	N/A	N/A	N/A
APC Mouse anti-human HLA-DR					
Sodium azide	27	20	N/A	N/A	N/A
Lysing solution					
Lysing solution	454.5	1928.6	N/A	2.2	N/A
2,2' -oxybisethanol	500	11890	N/A	N/A	N/A
Formaldehyde, solution	100	270	N/A	0.578	N/A

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
FITC Mouse anti-human CD14			
Sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocystis pyrifera	96 hours
PE Mouse anti-human CD64			
Sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocystis pyrifera	96 hours
PerCP Mouse anti-human CD45			
Sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocystis pyrifera	96 hours

Section 12. Ecological information

APC Mouse anti-human HLA-DR			
Sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocystis pyrifera	96 hours
Lysing solution			
2,2' -oxybisethanol	Acute LC50 75200000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Formaldehyde, solution	Acute EC50 3.48 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 3.05 mg/l Marine water	Algae - Isochrysis galbana - Exponential growth phase	96 hours
	Acute EC50 12.98 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute EC50 5800 µg/l Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours
	Acute LC50 1.41 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 953.9 ppm Fresh water	Fish - Oncorhynchus tshawytscha - Egg	43 days

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Lysing solution Formaldehyde, solution	OECD 301A Ready Biodegradability - DOC Die-Away Test	99 % - Readily - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Lysing solution Formaldehyde, solution	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Lysing solution			
2,2' -oxybisethanol	-1.98	100	low
Formaldehyde, solution	0.35	-	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
Lysing solution Formaldehyde	50-00-0	Listed	U122

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 / TDG / Mexico / IMDG / IATA : Not regulated.

Additional information

DOT Classification : **Reportable quantity** 3571.4 lbs / 1621.4 kg. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

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 IMO instruments : 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 Water Act (CWA) 311: Formaldehyde, solution

Clean Air Act (CAA) 112 regulated toxic substances: Formaldehyde, solution

Section 15. Regulatory information

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

Name	%	EHS	SARA 302 TPQ (lbs)	SARA 302 TPQ (gallons)	SARA 304 RQ (lbs)	SARA 304 RQ (gallons)
FITC Mouse anti-human CD14						
Sodium azide	<1	Yes.	500	-	1000	-
PE Mouse anti-human CD64						
Sodium azide	<1	Yes.	500	-	1000	-
PerCP Mouse anti-human CD45						
Sodium azide	<1	Yes.	500	-	1000	-
APC Mouse anti-human HLA-DR						
Sodium azide	<1	Yes.	500	-	1000	-
Lysing solution						
Formaldehyde, solution	≥10 - ≤15	Yes.	500	73.9	100	14.8

SARA 304 RQ : 3571.4 lbs / 1621.4 kg

SARA 311/312

Classification :

FITC Mouse anti-human CD14	Not applicable.
PE Mouse anti-human CD64	Not applicable.
PerCP Mouse anti-human CD45	Not applicable.
APC Mouse anti-human HLA-DR	Not applicable.
Lysing solution	ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 GERM CELL MUTAGENICITY - Category 2 CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Composition/information on ingredients

Section 15. Regulatory information

Name	%	Classification
Lysing solution 2,2' -oxybisethanol Formaldehyde, solution	 ≥25 - ≤50 ≥10 - ≤15	 ACUTE TOXICITY (oral) - Category 4 EYE IRRITATION - Category 2B SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 FLAMMABLE LIQUIDS - Category 4 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 2 SKIN CORROSION - Category 1B SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1 GERM CELL MUTAGENICITY - Category 2 CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNOC - Corrosive to digestive tract

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	**Lysing solution** Formaldehyde, solution	 50-00-0	 ≥10 - ≤15
Supplier notification	**Lysing solution** Formaldehyde, solution	 50-00-0	 ≥10 - ≤15

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: FORMALDEHYDE; FORMALIN

New York : The following components are listed: Formaldehyde

New Jersey : The following components are listed: FORMALDEHYDE; FORMALIN

Pennsylvania : The following components are listed: ETHANOL, 2,2'-OXYBIS-; FORMALDEHYDE

California Prop. 65

⚠ **WARNING**: This product can expose you to Formaldehyde, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Lysing solution Formaldehyde	 Yes.	 -

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

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.

Section 15. Regulatory information

Inventory list

Australia : Not determined.

Canada : Not determined.

China : All components are listed or exempted.

Europe : Not determined.

Japan : **Japan inventory (ENCS)**: Not determined.
Japan inventory (ISHL): Not determined.

New Zealand : Not determined.

Philippines : Not determined.

Republic of Korea : Not determined.

Taiwan : All components are listed or exempted.

Thailand : Not determined.

Turkey : Not determined.

United States : All components are active or exempted.

Viet Nam : Not determined.

Section 16. Other information

History

Date of issue : 08/10/2020

Date of previous issue : No previous validation

Version : 1

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
UN = United Nations

Procedure used to derive the classification

Classification	Justification
FITC Mouse anti-human CD14	
AQUATIC HAZARD (LONG-TERM) - Category 3	Calculation method
PE Mouse anti-human CD64	
AQUATIC HAZARD (LONG-TERM) - Category 3	Calculation method
PerCP Mouse anti-human CD45	
AQUATIC HAZARD (LONG-TERM) - Category 3	Calculation method
APC Mouse anti-human HLA-DR	
AQUATIC HAZARD (LONG-TERM) - Category 3	Calculation method
Lysing solution	
ACUTE TOXICITY (oral) - Category 4	Calculation method
ACUTE TOXICITY (dermal) - Category 4	Calculation method
ACUTE TOXICITY (inhalation) - Category 3	Calculation method
SKIN IRRITATION - Category 2	Calculation method

Section 16. Other information

EYE IRRITATION - Category 2A	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
GERM CELL MUTAGENICITY - Category 2	Calculation method
CARCINOGENICITY - Category 1A	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2	Calculation method

Indicates information that has changed from previously issued version.

Notice to reader

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