

SAFETY DATA SHEET



OQ_PV Test Sample for Refractive Index Detector, Part Number 5064-8220

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : OQ_PV Test Sample for Refractive Index Detector, Part Number 5064-8220
Part no. (chemical kit) : 5064-8220
Part no. : Refractive Index Det OQ/ 5064-8220-1
PV Test Sample (5 mg/
mL)
Refractive Index Det OQ/ 5064-8220-2
PV Test Sample (10 mg/
mL)
Refractive Index Det OQ/ 5064-8220-3
PV Test Sample (15 mg/
mL)
Refractive Index Det OQ/ 5064-8220-4
PV Test Sample (25 mg/
mL)
Refractive Index Det OQ/ 5064-8220-5
PV Test Sample (50 mg/
mL)

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

Material uses : Reagents and Standards for Analytical Chemistry Laboratory Use
Refractive Index Det OQ/PV Test Sample 1 x 5 ml
(5 mg/mL)
Refractive Index Det OQ/PV Test Sample 1 x 5 ml
(10 mg/mL)
Refractive Index Det OQ/PV Test Sample 1 x 5 ml
(15 mg/mL)
Refractive Index Det OQ/PV Test Sample 1 x 5 ml
(25 mg/mL)
Refractive Index Det OQ/PV Test Sample 1 x 5 ml
(50 mg/mL)

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
0800 603 1000

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation) : CHEMTREC®: +(44)-870-8200418

OQ_PV Test Sample for Refractive Index Detector, Part Number 5064-8220

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	:	Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	Mixture
	:	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	Mixture
	:	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Mixture
	:	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Mixture
	:	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Refractive Index Det OQ/PV Test Sample (5 mg/mL)

H317	SKIN SENSITISATION	Category 1
H412	LONG-TERM (CHRONIC) AQUATIC HAZARD	Category 3

Refractive Index Det OQ/PV Test Sample (10 mg/mL)

H317	SKIN SENSITISATION	Category 1
H412	LONG-TERM (CHRONIC) AQUATIC HAZARD	Category 3

Refractive Index Det OQ/PV Test Sample (15 mg/mL)

H317	SKIN SENSITISATION	Category 1
H412	LONG-TERM (CHRONIC) AQUATIC HAZARD	Category 3

Refractive Index Det OQ/PV Test Sample (25 mg/mL)

H317	SKIN SENSITISATION	Category 1
H412	LONG-TERM (CHRONIC) AQUATIC HAZARD	Category 3

Refractive Index Det OQ/PV Test Sample (50 mg/mL)

H317	SKIN SENSITISATION	Category 1
H412	LONG-TERM (CHRONIC) AQUATIC HAZARD	Category 3

Ingredients of unknown toxicity

:	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
:	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
:	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%






See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

SECTION 2: Hazards identification

2.2 Label elements

Hazard pictograms

: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	
Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	
Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	
Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	
Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	

Signal word

: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	Warning
Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	Warning
Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Warning
Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Warning
Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Warning

Hazard statements

: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	H317 - May cause an allergic skin reaction.
Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	H412 - Harmful to aquatic life with long lasting effects. H317 - May cause an allergic skin reaction.
Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	H412 - Harmful to aquatic life with long lasting effects. H317 - May cause an allergic skin reaction.
Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	H412 - Harmful to aquatic life with long lasting effects. H317 - May cause an allergic skin reaction.
Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	H412 - Harmful to aquatic life with long lasting effects. H317 - May cause an allergic skin reaction.
	H412 - Harmful to aquatic life with long lasting effects.

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Precautionary statements

Prevention	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	P280 - Wear protective gloves.
		P273 - Avoid release to the environment. P261 - Avoid breathing vapour.
	: Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	P280 - Wear protective gloves.
		P273 - Avoid release to the environment. P261 - Avoid breathing vapour.
	: Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	P280 - Wear protective gloves.
		P273 - Avoid release to the environment. P261 - Avoid breathing vapour.
: Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	P280 - Wear protective gloves.	
	P273 - Avoid release to the environment. P261 - Avoid breathing vapour.	
Response	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	P280 - Wear protective gloves.
		P273 - Avoid release to the environment. P261 - Avoid breathing vapour.
	: Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	P362 + P364 - Take off contaminated clothing and wash it before reuse.
		P302 + P352 - IF ON SKIN: Wash with plenty of water.
	: Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	P362 + P364 - Take off contaminated clothing and wash it before reuse.
		P302 + P352 - IF ON SKIN: Wash with plenty of water.
: Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	P362 + P364 - Take off contaminated clothing and wash it before reuse.	
	P302 + P352 - IF ON SKIN: Wash with plenty of water.	
Storage	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	P362 + P364 - Take off contaminated clothing and wash it before reuse.
		P302 + P352 - IF ON SKIN: Wash with plenty of water.
	: Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	P362 + P364 - Take off contaminated clothing and wash it before reuse.
		P302 + P352 - IF ON SKIN: Wash with plenty of water.
	: Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	P362 + P364 - Take off contaminated clothing and wash it before reuse.
		P302 + P352 - IF ON SKIN: Wash with plenty of water.
: Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	P362 + P364 - Take off contaminated clothing and wash it before reuse.	
	P302 + P352 - IF ON SKIN: Wash with plenty of water.	
: Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Not applicable.	
	Not applicable.	
: Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Not applicable.	
	Not applicable.	
: Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Not applicable.	
	Not applicable.	
: Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Not applicable.	
	Not applicable.	

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Disposal	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	- reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	- reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	- reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	- reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	- reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
Supplemental label elements	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	Not applicable.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	Not applicable.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Not applicable.
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Not applicable.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	Not applicable.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	Not applicable.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Not applicable.
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Not applicable.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Not applicable.

Special packaging requirements

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Tactile warning of danger	: Refractive Index Det OQ/ PV Test Sample (5 mg/mL)	Not applicable.
	: Refractive Index Det OQ/ PV Test Sample (10 mg/mL)	Not applicable.
	: Refractive Index Det OQ/ PV Test Sample (15 mg/mL)	Not applicable.
	: Refractive Index Det OQ/ PV Test Sample (25 mg/mL)	Not applicable.
	: Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	: Refractive Index Det OQ/ PV Test Sample (5 mg/mL)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	: Refractive Index Det OQ/ PV Test Sample (10 mg/mL)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	: Refractive Index Det OQ/ PV Test Sample (15 mg/mL)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	: Refractive Index Det OQ/ PV Test Sample (25 mg/mL)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	: Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification	: Refractive Index Det OQ/ PV Test Sample (5 mg/mL)	None known.
	: Refractive Index Det OQ/ PV Test Sample (10 mg/mL)	None known.
	: Refractive Index Det OQ/ PV Test Sample (15 mg/mL)	None known.
	: Refractive Index Det OQ/ PV Test Sample (25 mg/mL)	None known.
	: Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	None known.

SECTION 3: Composition/information on ingredients

3.1 Substances	: Refractive Index Det OQ/PV Test Sample (5 mg/mL)	Mixture
	: Refractive Index Det OQ/PV Test Sample (10 mg/mL)	Mixture
	: Refractive Index Det OQ/PV Test Sample (15 mg/mL)	Mixture
	: Refractive Index Det OQ/PV Test Sample (25 mg/mL)	Mixture
	: Refractive Index Det OQ/PV Test Sample (50 mg/mL)	Mixture

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SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
Refractive Index Det OQ/PV Test Sample (5 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS: 55965-84-9 Index: 613-167-00-5	<0.025	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071	[1]
Refractive Index Det OQ/PV Test Sample (10 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS: 55965-84-9 Index: 613-167-00-5	<0.025	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071	[1]
Refractive Index Det OQ/PV Test Sample (15 mg/mL) Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≤3	Not classified.	[2]
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS: 55965-84-9 Index: 613-167-00-5	<0.025	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071	[1]
Refractive Index Det OQ/PV Test Sample (25 mg/mL) Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≤3	Not classified.	[2]
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS: 55965-84-9 Index: 613-167-00-5	<0.025	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071	[1]
Refractive Index Det OQ/PV Test Sample (50 mg/mL)				

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SECTION 3: Composition/information on ingredients

Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≤5	Not classified.	[2]
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS: 55965-84-9 Index: 613-167-00-5	<0.025	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071 See Section 16 for the full text of the H statements declared above.	[1]

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard
 - [2] Substance with a workplace exposure limit
 - [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
 - [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
 - [5] Substance of equivalent concern
 - [6] Additional disclosure due to company policy
- Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	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.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	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.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	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.
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	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.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	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.
Inhalation	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	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.

SECTION 4: First aid measures

Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	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.
Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	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.
Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	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.
Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	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.

Skin contact

: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	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. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	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. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	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. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Refractive Index Det OQ/ PV Test Sample (25 mg/	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly

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mL)	with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	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. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	Wash out mouth with water. Remove dentures if any. 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.
Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	Wash out mouth with water. Remove dentures if any. 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.
Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Wash out mouth with water. Remove dentures if any. 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.
Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Wash out mouth with water. Remove dentures if any. 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.
Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the

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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.

Protection of first-aiders	:	Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
		Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
		Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
		Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
		Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	:	Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	No known significant effects or critical hazards.
		Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	No known significant effects or critical hazards.
		Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	No known significant effects or critical hazards.
		Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	No known significant effects or critical hazards.
		Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	No known significant effects or critical hazards.
Inhalation	:	Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	No known significant effects or critical hazards.
		Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	No known significant effects or critical hazards.
		Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	No known significant effects or critical hazards.

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	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	No known significant effects or critical hazards.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	No known significant effects or critical hazards.
Skin contact	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	May cause an allergic skin reaction.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	May cause an allergic skin reaction.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	May cause an allergic skin reaction.
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	May cause an allergic skin reaction.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	May cause an allergic skin reaction.
Ingestion	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	No known significant effects or critical hazards.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	No known significant effects or critical hazards.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	No known significant effects or critical hazards.
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	No known significant effects or critical hazards.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	No known significant effects or critical hazards.
<u>Over-exposure signs/symptoms</u>		
Eye contact	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	No specific data.
Inhalation	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	No specific data.

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	PV Test Sample (25 mg/mL)	
	Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	No specific data.
Skin contact	: Refractive Index Det OQ/ PV Test Sample (5 mg/mL)	Adverse symptoms may include the following: irritation redness
	Refractive Index Det OQ/ PV Test Sample (10 mg/mL)	Adverse symptoms may include the following: irritation redness
	Refractive Index Det OQ/ PV Test Sample (15 mg/mL)	Adverse symptoms may include the following: irritation redness
	Refractive Index Det OQ/ PV Test Sample (25 mg/mL)	Adverse symptoms may include the following: irritation redness
	Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	Adverse symptoms may include the following: irritation redness
Ingestion	: Refractive Index Det OQ/ PV Test Sample (5 mg/mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (10 mg/mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (15 mg/mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (25 mg/mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: Refractive Index Det OQ/ PV Test Sample (5 mg/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Refractive Index Det OQ/ PV Test Sample (10 mg/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Refractive Index Det OQ/ PV Test Sample (15 mg/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Refractive Index Det OQ/ PV Test Sample (25 mg/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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Specific treatments	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	No specific treatment.
	: Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	No specific treatment.
	: Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	No specific treatment.
	: Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	No specific treatment.
	: Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	Use an extinguishing agent suitable for the surrounding fire.
	: Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	Use an extinguishing agent suitable for the surrounding fire.
	: Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Use an extinguishing agent suitable for the surrounding fire.
	: Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Use an extinguishing agent suitable for the surrounding fire.
	: Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	None known.
	: Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	None known.
	: Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	None known.
	: Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	None known.
	: Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	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.
	: Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	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.
	: Refractive Index Det OQ/	In a fire or if heated, a pressure increase will occur and the

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PV Test Sample (15 mg/mL) 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.

Refractive Index Det OQ/PV Test Sample (25 mg/mL) 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.

Refractive Index Det OQ/PV Test Sample (50 mg/mL) 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.

Hazardous combustion products

- : Refractive Index Det OQ/PV Test Sample (5 mg/mL) No specific data.
- Refractive Index Det OQ/PV Test Sample (10 mg/mL) No specific data.
- Refractive Index Det OQ/PV Test Sample (15 mg/mL) Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
- Refractive Index Det OQ/PV Test Sample (25 mg/mL) Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
- Refractive Index Det OQ/PV Test Sample (50 mg/mL) Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

5.3 Advice for firefighters

Special precautions for fire-fighters

- : Refractive Index Det OQ/PV Test Sample (5 mg/mL) 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.
- Refractive Index Det OQ/PV Test Sample (10 mg/mL) 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.
- Refractive Index Det OQ/PV Test Sample (15 mg/mL) 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.
- Refractive Index Det OQ/PV Test Sample (25 mg/mL) 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.
- Refractive Index Det OQ/PV Test Sample (50 mg/mL) 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

- : Refractive Index Det OQ/PV Test Sample (5 mg/mL) Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
- Refractive Index Det OQ/PV Test Sample (10 mg/mL) Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for

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	fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	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 spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	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 spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	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 spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	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 spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	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 spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

SECTION 6: Accidental release measures

For emergency responders

- : Refractive Index Det OQ/ PV Test Sample (5 mg/ mL) If specialised 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".
- Refractive Index Det OQ/ PV Test Sample (10 mg/ mL) If specialised 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".
- Refractive Index Det OQ/ PV Test Sample (15 mg/ mL) If specialised 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".
- Refractive Index Det OQ/ PV Test Sample (25 mg/ mL) If specialised 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".
- Refractive Index Det OQ/ PV Test Sample (50 mg/ mL) If specialised 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

- : Refractive Index Det OQ/ PV Test Sample (5 mg/ mL) Avoid dispersal of spilt 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.
- Refractive Index Det OQ/ PV Test Sample (10 mg/ mL) Avoid dispersal of spilt 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.
- Refractive Index Det OQ/ PV Test Sample (15 mg/ mL) Avoid dispersal of spilt 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.
- Refractive Index Det OQ/ PV Test Sample (25 mg/ mL) Avoid dispersal of spilt 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.
- Refractive Index Det OQ/ PV Test Sample (50 mg/ mL) Avoid dispersal of spilt 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.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

- : Refractive Index Det OQ/ PV Test Sample (5 mg/ mL) 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.
- Refractive Index Det OQ/ PV Test Sample (10 mg/ mL) 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

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Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	of via a licensed waste disposal contractor. 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.
Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	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.
Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	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.

6.4 Reference to other sections : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	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. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour 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.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	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. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour 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.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	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. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour 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.
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	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. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour 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

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	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	hazardous. Do not reuse container. 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. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour 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.
Advice on general occupational hygiene	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	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.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	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.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	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.
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	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.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	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

Storage	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	Store between the following temperatures: 5 to 30°C (41 to 86°F). 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	Store between the following temperatures: 5 to 30°C (41 to 86°F). 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 unlabelled containers. Use

SECTION 7: Handling and storage

Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store between the following temperatures: 5 to 30°C (41 to 86°F). 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Store between the following temperatures: 5 to 30°C (41 to 86°F). 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Store between the following temperatures: 5 to 30°C (41 to 86°F). 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 unlabelled 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

: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	Industrial applications, Professional applications.
Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	Industrial applications, Professional applications.
Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Industrial applications, Professional applications.
Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Industrial applications, Professional applications.
Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Industrial applications, Professional applications.

Industrial sector specific solutions

: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	Not available.
Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	Not available.
Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Not available.

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Refractive Index Det OQ/ PV Test Sample (25 mg/mL) Not available.
 Refractive Index Det OQ/ PV Test Sample (50 mg/mL) Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Refractive Index Det OQ/PV Test Sample (15 mg/mL) Glycerol	NAOSH (Ireland, 1/2020). OELV-8hr: 10 mg/m ³ 8 hours. Form: mist
Refractive Index Det OQ/PV Test Sample (25 mg/mL) Glycerol	NAOSH (Ireland, 1/2020). OELV-8hr: 10 mg/m ³ 8 hours. Form: mist
Refractive Index Det OQ/PV Test Sample (50 mg/mL) Glycerol	NAOSH (Ireland, 1/2020). OELV-8hr: 10 mg/m ³ 8 hours. Form: mist

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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.

SECTION 8: Exposure controls/personal protection

- 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: safety glasses with side-shields.
- 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.
- 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.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

- Physical state** : Refractive Index Det OQ/ Liquid.
PV Test Sample (5 mg/
mL)
Refractive Index Det OQ/ Liquid.
PV Test Sample (10 mg/
mL)
Refractive Index Det OQ/ Liquid.
PV Test Sample (15 mg/
mL)
Refractive Index Det OQ/ Liquid.
PV Test Sample (25 mg/
mL)
Refractive Index Det OQ/ Liquid.
PV Test Sample (50 mg/
mL)
- Colour** : Refractive Index Det OQ/ Colourless.
PV Test Sample (5 mg/
mL)
Refractive Index Det OQ/ Colourless.
PV Test Sample (10 mg/
mL)
Refractive Index Det OQ/ Colourless.
PV Test Sample (15 mg/
mL)
Refractive Index Det OQ/ Colourless.
PV Test Sample (25 mg/
mL)

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SECTION 9: Physical and chemical properties

	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Colourless.
Odour	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	Odourless.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	Odourless.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Odourless.
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Odourless.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Odourless.
Odour threshold	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	Not available.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	Not available.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Not available.
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Not available.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Not available.
Melting point/freezing point	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	0°C
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	0°C
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	0°C
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	0°C
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	0°C
Initial boiling point and boiling range	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	100°C (212°F)
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	100°C (212°F)
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	100°C (212°F)
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	100°C (212°F)
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	100°C (212°F)

OQ_PV Test Sample for Refractive Index Detector, Part Number 5064-8220

SECTION 9: Physical and chemical properties

Flammability (solid, gas) : mL)
 Refractive Index Det OQ/ PV Test Sample (5 mg/ mL) Not applicable.
 Refractive Index Det OQ/ PV Test Sample (10 mg/ mL) Not applicable.
 Refractive Index Det OQ/ PV Test Sample (15 mg/ mL) Not applicable.
 Refractive Index Det OQ/ PV Test Sample (25 mg/ mL) Not applicable.
 Refractive Index Det OQ/ PV Test Sample (50 mg/ mL) Not applicable.

Upper/lower flammability or explosive limits : Refractive Index Det OQ/ PV Test Sample (5 mg/ mL) Not available.
 Refractive Index Det OQ/ PV Test Sample (10 mg/ mL) Not available.
 Refractive Index Det OQ/ PV Test Sample (15 mg/ mL) Not available.
 Refractive Index Det OQ/ PV Test Sample (25 mg/ mL) Not available.
 Refractive Index Det OQ/ PV Test Sample (50 mg/ mL) Not available.

Flash point :

Ingredient name	Closed cup			Open cup		
	°C	°F	Method	°C	°F	Method
Refractive Index Det OQ/PV Test Sample (5 mg/mL) Glycerol				177	350.6	
Refractive Index Det OQ/PV Test Sample (10 mg/mL) Glycerol				177	350.6	
Refractive Index Det OQ/PV Test Sample (15 mg/mL) Glycerol				177	350.6	
Refractive Index Det OQ/PV Test Sample (25 mg/mL) Glycerol				177	350.6	
Refractive Index Det OQ/PV Test Sample (50 mg/mL) Glycerol				177	350.6	

OQ_PV Test Sample for Refractive Index Detector, Part Number 5064-8220

SECTION 9: Physical and chemical properties

Auto-ignition temperature

Ingredient name	°C	°F	Method
Refractive Index Det OQ/PV Test Sample (5 mg/mL)			
Glycerol	370	698	
Refractive Index Det OQ/PV Test Sample (10 mg/mL)			
Glycerol	370	698	
Refractive Index Det OQ/PV Test Sample (15 mg/mL)			
Glycerol	370	698	
Refractive Index Det OQ/PV Test Sample (25 mg/mL)			
Glycerol	370	698	
Refractive Index Det OQ/PV Test Sample (50 mg/mL)			
Glycerol	370	698	

Decomposition temperature

: Refractive Index Det OQ/ PV Test Sample (5 mg/mL) Not available.
 Refractive Index Det OQ/ PV Test Sample (10 mg/mL) Not available.
 Refractive Index Det OQ/ PV Test Sample (15 mg/mL) Not available.
 Refractive Index Det OQ/ PV Test Sample (25 mg/mL) Not available.
 Refractive Index Det OQ/ PV Test Sample (50 mg/mL) Not available.

pH

: Refractive Index Det OQ/ PV Test Sample (5 mg/mL) 7
 Refractive Index Det OQ/ PV Test Sample (10 mg/mL) 7
 Refractive Index Det OQ/ PV Test Sample (15 mg/mL) 7
 Refractive Index Det OQ/ PV Test Sample (25 mg/mL) 7
 Refractive Index Det OQ/ PV Test Sample (50 mg/mL) 7

Viscosity

: Refractive Index Det OQ/ PV Test Sample (5 mg/mL) Not available.
 Refractive Index Det OQ/ PV Test Sample (10 mg/mL) Not available.
 Refractive Index Det OQ/ PV Test Sample (15 mg/mL) Not available.

OQ_PV Test Sample for Refractive Index Detector, Part Number 5064-8220

SECTION 9: Physical and chemical properties

- Refractive Index Det OQ/ PV Test Sample (25 mg/mL) Not available.

Refractive Index Det OQ/ PV Test Sample (50 mg/mL) Not available.
- Solubility(ies)** :

 - Refractive Index Det OQ/ PV Test Sample (5 mg/mL) Easily soluble in the following materials: cold water and hot water.
 - Refractive Index Det OQ/ PV Test Sample (10 mg/mL) Easily soluble in the following materials: cold water and hot water.
 - Refractive Index Det OQ/ PV Test Sample (15 mg/mL) Easily soluble in the following materials: cold water and hot water.
 - Refractive Index Det OQ/ PV Test Sample (25 mg/mL) Easily soluble in the following materials: cold water and hot water.
 - Refractive Index Det OQ/ PV Test Sample (50 mg/mL) Easily soluble in the following materials: cold water and hot water.
- Partition coefficient: n-octanol/water** :

 - Refractive Index Det OQ/ PV Test Sample (5 mg/mL) Not applicable.
 - Refractive Index Det OQ/ PV Test Sample (10 mg/mL) Not applicable.
 - Refractive Index Det OQ/ PV Test Sample (15 mg/mL) Not applicable.
 - Refractive Index Det OQ/ PV Test Sample (25 mg/mL) Not applicable.
 - Refractive Index Det OQ/ PV Test Sample (50 mg/mL) Not applicable.

Vapour pressure :

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Refractive Index Det OQ/PV Test Sample (5 mg/mL)						
water	23.8	3.2		92.258	12.3	
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	1.6	0.21				
Refractive Index Det OQ/PV Test Sample (10 mg/mL)						
water	23.8	3.2		92.258	12.3	
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-	1.6	0.21				

OQ_PV Test Sample for Refractive Index Detector, Part Number 5064-8220

SECTION 9: Physical and chemical properties

3-one [EC no. 220-239-6] (3:1)						
Refractive Index Det OQ/PV Test Sample (15 mg/mL)						
water	23.8	3.2		92.258	12.3	
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	1.6	0.21				
Refractive Index Det OQ/PV Test Sample (25 mg/mL)						
water	23.8	3.2		92.258	12.3	
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	1.6	0.21				
Refractive Index Det OQ/PV Test Sample (50 mg/mL)						
water	23.8	3.2		92.258	12.3	
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	1.6	0.21				

Evaporation rate : Refractive Index Det OQ/ PV Test Sample (5 mg/mL) Not available.
 Refractive Index Det OQ/ PV Test Sample (10 mg/mL) Not available.
 Refractive Index Det OQ/ PV Test Sample (15 mg/mL) Not available.
 Refractive Index Det OQ/ PV Test Sample (25 mg/mL) Not available.
 Refractive Index Det OQ/ PV Test Sample (50 mg/mL) Not available.

Relative density : Refractive Index Det OQ/ PV Test Sample (5 mg/mL) 1
 Refractive Index Det OQ/ PV Test Sample (10 mg/mL) 1
 Refractive Index Det OQ/ PV Test Sample (15 mg/mL) 1
 Refractive Index Det OQ/ 1

OQ_PV Test Sample for Refractive Index Detector, Part Number 5064-8220

SECTION 9: Physical and chemical properties

	PV Test Sample (25 mg/ mL)	
	Refractive Index Det OQ/	1
	PV Test Sample (50 mg/ mL)	
Vapour density	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	Not available.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	Not available.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Not available.
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Not available.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Not available.
Oxidising properties	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	Not available.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	Not available.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Not available.
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Not available.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Not available.
Particle characteristics		
Median particle size	: Refractive Index Det OQ/ PV Test Sample (5 mg/ mL)	Not applicable.
	Refractive Index Det OQ/ PV Test Sample (10 mg/ mL)	Not applicable.
	Refractive Index Det OQ/ PV Test Sample (15 mg/ mL)	Not applicable.
	Refractive Index Det OQ/ PV Test Sample (25 mg/ mL)	Not applicable.
	Refractive Index Det OQ/ PV Test Sample (50 mg/ mL)	Not applicable.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

- 10.1 Reactivity**
- : Refractive Index Det OQ/ PV Test Sample (5 mg/ mL) No specific test data related to reactivity available for this product or its ingredients.
 - : Refractive Index Det OQ/ PV Test Sample (10 mg/ mL) No specific test data related to reactivity available for this product or its ingredients.
 - : Refractive Index Det OQ/ PV Test Sample (15 mg/ mL) No specific test data related to reactivity available for this product or its ingredients.
 - : Refractive Index Det OQ/ PV Test Sample (25 mg/ mL) No specific test data related to reactivity available for this product or its ingredients.
 - : Refractive Index Det OQ/ PV Test Sample (50 mg/ mL) No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability**
- : Refractive Index Det OQ/ PV Test Sample (5 mg/ mL) The product is stable.
 - : Refractive Index Det OQ/ PV Test Sample (10 mg/ mL) The product is stable.
 - : Refractive Index Det OQ/ PV Test Sample (15 mg/ mL) The product is stable.
 - : Refractive Index Det OQ/ PV Test Sample (25 mg/ mL) The product is stable.
 - : Refractive Index Det OQ/ PV Test Sample (50 mg/ mL) The product is stable.
- 10.3 Possibility of hazardous reactions**
- : Refractive Index Det OQ/ PV Test Sample (5 mg/ mL) Under normal conditions of storage and use, hazardous reactions will not occur.
 - : Refractive Index Det OQ/ PV Test Sample (10 mg/ mL) Under normal conditions of storage and use, hazardous reactions will not occur.
 - : Refractive Index Det OQ/ PV Test Sample (15 mg/ mL) Under normal conditions of storage and use, hazardous reactions will not occur.
 - : Refractive Index Det OQ/ PV Test Sample (25 mg/ mL) Under normal conditions of storage and use, hazardous reactions will not occur.
 - : Refractive Index Det OQ/ PV Test Sample (50 mg/ mL) Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid**
- : Refractive Index Det OQ/ PV Test Sample (5 mg/ mL) No specific data.
 - : Refractive Index Det OQ/ PV Test Sample (10 mg/ mL) No specific data.
 - : Refractive Index Det OQ/ PV Test Sample (15 mg/ mL) No specific data.
 - : Refractive Index Det OQ/ PV Test Sample (25 mg/ mL) No specific data.
 - : Refractive Index Det OQ/ PV Test Sample (50 mg/ mL) No specific data.

OQ_PV Test Sample for Refractive Index Detector, Part Number 5064-8220

SECTION 10: Stability and reactivity

PV Test Sample (50 mg/
mL)

10.5 Incompatible materials

- : Refractive Index Det OQ/ PV Test Sample (5 mg/
mL) May react or be incompatible with oxidising materials.
- Refractive Index Det OQ/ PV Test Sample (10 mg/
mL) May react or be incompatible with oxidising materials.
- Refractive Index Det OQ/ PV Test Sample (15 mg/
mL) May react or be incompatible with oxidising materials.
- Refractive Index Det OQ/ PV Test Sample (25 mg/
mL) May react or be incompatible with oxidising materials.
- Refractive Index Det OQ/ PV Test Sample (50 mg/
mL) May react or be incompatible with oxidising materials.

10.6 Hazardous decomposition products

- : Refractive Index Det OQ/ PV Test Sample (5 mg/
mL) Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Refractive Index Det OQ/ PV Test Sample (10 mg/
mL) Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Refractive Index Det OQ/ PV Test Sample (15 mg/
mL) Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Refractive Index Det OQ/ PV Test Sample (25 mg/
mL) Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Refractive Index Det OQ/ PV Test Sample (50 mg/
mL) 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
Refractive Index Det OQ/ PV Test Sample (5 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	LC50 Inhalation Vapour	Rat	0.33 mg/l	4 hours
	LD50 Dermal	Rabbit	87.12 mg/kg	-
	LD50 Oral	Rat	53 mg/kg	-
Refractive Index Det OQ/ PV Test Sample (10 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	LC50 Inhalation Vapour	Rat	0.33 mg/l	4 hours
	LD50 Dermal	Rabbit	87.12 mg/kg	-

QQ_PV Test Sample for Refractive Index Detector, Part Number 5064-8220

SECTION 11: Toxicological information

Refractive Index Det OQ/ PV Test Sample (15 mg/ mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	LD50 Oral	Rat	53 mg/kg	-
	LC50 Inhalation Vapour	Rat	0.33 mg/l	4 hours
Refractive Index Det OQ/ PV Test Sample (25 mg/ mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	LD50 Dermal	Rabbit	87.12 mg/kg	-
	LD50 Oral	Rat	53 mg/kg	-
Refractive Index Det OQ/ PV Test Sample (50 mg/ mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	LC50 Inhalation Vapour	Rat	0.33 mg/l	4 hours
	LD50 Dermal	Rabbit	87.12 mg/kg	-
	LD50 Oral	Rat	53 mg/kg	-
	LC50 Inhalation Vapour	Rat	0.33 mg/l	4 hours
	LD50 Dermal	Rabbit	87.12 mg/kg	-
	LD50 Oral	Rat	53 mg/kg	-

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Refractive Index Det OQ/PV Test Sample (5 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	53	87.12	N/A	0.5	N/A
Refractive Index Det OQ/PV Test Sample (10 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	53	87.12	N/A	0.5	N/A
Refractive Index Det OQ/PV Test Sample (15 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	53	87.12	N/A	0.5	N/A

OQ_PV Test Sample for Refractive Index Detector, Part Number 5064-8220

SECTION 11: Toxicological information

Refractive Index Det OQ/PV Test Sample (25 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	53	87.12	N/A	0.5	N/A
Refractive Index Det OQ/PV Test Sample (50 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	53	87.12	N/A	0.5	N/A

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitiser

Conclusion/Summary : 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)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure

: Refractive Index Det OQ/ PV Test Sample (5 mg/mL) Routes of entry anticipated: Oral, Dermal, Inhalation.
 Refractive Index Det OQ/ PV Test Sample (10 mg/mL) Routes of entry anticipated: Oral, Dermal, Inhalation.
 Refractive Index Det OQ/ PV Test Sample (15 mg/mL) Routes of entry anticipated: Oral, Dermal, Inhalation.
 Refractive Index Det OQ/ PV Test Sample (25 mg/mL) Routes of entry anticipated: Oral, Dermal, Inhalation.
 Refractive Index Det OQ/ PV Test Sample (50 mg/mL) Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Inhalation

: Refractive Index Det OQ/ PV Test Sample (5 mg/mL) No known significant effects or critical hazards.
 Refractive Index Det OQ/ PV Test Sample (10 mg/mL) No known significant effects or critical hazards.
 Refractive Index Det OQ/ PV Test Sample (15 mg/mL) No known significant effects or critical hazards.
 Refractive Index Det OQ/ PV Test Sample (50 mg/mL) No known significant effects or critical hazards.

SECTION 11: Toxicological information

	PV Test Sample (25 mg/mL)	
	Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	No known significant effects or critical hazards.
Ingestion	: Refractive Index Det OQ/ PV Test Sample (5 mg/mL)	No known significant effects or critical hazards.
	Refractive Index Det OQ/ PV Test Sample (10 mg/mL)	No known significant effects or critical hazards.
	Refractive Index Det OQ/ PV Test Sample (15 mg/mL)	No known significant effects or critical hazards.
	Refractive Index Det OQ/ PV Test Sample (25 mg/mL)	No known significant effects or critical hazards.
	Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	No known significant effects or critical hazards.
Skin contact	: Refractive Index Det OQ/ PV Test Sample (5 mg/mL)	May cause an allergic skin reaction.
	Refractive Index Det OQ/ PV Test Sample (10 mg/mL)	May cause an allergic skin reaction.
	Refractive Index Det OQ/ PV Test Sample (15 mg/mL)	May cause an allergic skin reaction.
	Refractive Index Det OQ/ PV Test Sample (25 mg/mL)	May cause an allergic skin reaction.
	Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	May cause an allergic skin reaction.
Eye contact	: Refractive Index Det OQ/ PV Test Sample (5 mg/mL)	No known significant effects or critical hazards.
	Refractive Index Det OQ/ PV Test Sample (10 mg/mL)	No known significant effects or critical hazards.
	Refractive Index Det OQ/ PV Test Sample (15 mg/mL)	No known significant effects or critical hazards.
	Refractive Index Det OQ/ PV Test Sample (25 mg/mL)	No known significant effects or critical hazards.
	Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	: Refractive Index Det OQ/ PV Test Sample (5 mg/mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (10 mg/mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (15 mg/mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	No specific data.

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SECTION 11: Toxicological information

	PV Test Sample (25 mg/mL)	
	Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	No specific data.
Ingestion	: Refractive Index Det OQ/ PV Test Sample (5 mg/mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (10 mg/mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (15 mg/mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (25 mg/mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	No specific data.
Skin contact	: Refractive Index Det OQ/ PV Test Sample (5 mg/mL)	Adverse symptoms may include the following: irritation redness
	Refractive Index Det OQ/ PV Test Sample (10 mg/mL)	Adverse symptoms may include the following: irritation redness
	Refractive Index Det OQ/ PV Test Sample (15 mg/mL)	Adverse symptoms may include the following: irritation redness
	Refractive Index Det OQ/ PV Test Sample (25 mg/mL)	Adverse symptoms may include the following: irritation redness
	Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	Adverse symptoms may include the following: irritation redness
Eye contact	: Refractive Index Det OQ/ PV Test Sample (5 mg/mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (10 mg/mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (15 mg/mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (25 mg/mL)	No specific data.
	Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	No specific data.

[Delayed and immediate effects as well as chronic effects from short and long-term exposure](#)

SECTION 11: Toxicological information

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** : Refractive Index Det OQ/ PV Test Sample (5 mg/ mL) Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Refractive Index Det OQ/ PV Test Sample (10 mg/ mL) Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Refractive Index Det OQ/ PV Test Sample (15 mg/ mL) Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Refractive Index Det OQ/ PV Test Sample (25 mg/ mL) Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Refractive Index Det OQ/ PV Test Sample (50 mg/ mL) Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
- Carcinogenicity** : Refractive Index Det OQ/ PV Test Sample (5 mg/ mL) No known significant effects or critical hazards.
Refractive Index Det OQ/ PV Test Sample (10 mg/ mL) No known significant effects or critical hazards.
Refractive Index Det OQ/ PV Test Sample (15 mg/ mL) No known significant effects or critical hazards.
Refractive Index Det OQ/ PV Test Sample (25 mg/ mL) No known significant effects or critical hazards.
Refractive Index Det OQ/ PV Test Sample (50 mg/ mL) No known significant effects or critical hazards.
- Mutagenicity** : Refractive Index Det OQ/ PV Test Sample (5 mg/ mL) No known significant effects or critical hazards.
Refractive Index Det OQ/ PV Test Sample (10 mg/ mL) No known significant effects or critical hazards.
Refractive Index Det OQ/ PV Test Sample (15 mg/ mL) No known significant effects or critical hazards.
Refractive Index Det OQ/ PV Test Sample (25 mg/ mL) No known significant effects or critical hazards.
Refractive Index Det OQ/ PV Test Sample (50 mg/ mL) No known significant effects or critical hazards.

OO_PV Test Sample for Refractive Index Detector, Part Number 5064-8220

SECTION 11: Toxicological information

Reproductive toxicity	: Refractive Index Det OQ/ PV Test Sample (5 mg/mL)	No known significant effects or critical hazards.
	: Refractive Index Det OQ/ PV Test Sample (10 mg/mL)	No known significant effects or critical hazards.
	: Refractive Index Det OQ/ PV Test Sample (15 mg/mL)	No known significant effects or critical hazards.
	: Refractive Index Det OQ/ PV Test Sample (25 mg/mL)	No known significant effects or critical hazards.
	: Refractive Index Det OQ/ PV Test Sample (50 mg/mL)	No known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Refractive Index Det OQ/ PV Test Sample (5 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Acute LC50 0.16 mg/l Fresh water	Daphnia	48 hours
	Acute LC50 0.19 mg/l Fresh water Chronic NOEC >0.0464 mg/l Fresh water	Fish Fish	96 hours 96 hours
Refractive Index Det OQ/ PV Test Sample (10 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Acute LC50 0.16 mg/l Fresh water	Daphnia	48 hours
	Acute LC50 0.19 mg/l Fresh water Chronic NOEC >0.0464 mg/l Fresh water	Fish Fish	96 hours 96 hours
Refractive Index Det OQ/ PV Test Sample (15 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Acute LC50 0.16 mg/l Fresh water	Daphnia	48 hours
	Acute LC50 0.19 mg/l Fresh water Chronic NOEC >0.0464 mg/l Fresh water	Fish Fish	96 hours 96 hours
Refractive Index Det OQ/ PV Test Sample (25 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Acute LC50 0.16 mg/l Fresh water	Daphnia	48 hours
	Acute LC50 0.19 mg/l Fresh water Chronic NOEC >0.0464 mg/l Fresh water	Fish Fish	96 hours 96 hours

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SECTION 12: Ecological information

Refractive Index Det OQ/ PV Test Sample (50 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	water		
	Acute LC50 0.16 mg/l Fresh water	Daphnia	48 hours
	Acute LC50 0.19 mg/l Fresh water Chronic NOEC >0.0464 mg/l Fresh water	Fish Fish	96 hours 96 hours

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Refractive Index Det OQ/ PV Test Sample (5 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	OECD 301B Ready Biodegradability - CO2 Evolution Test	62 % - Readily - 28 days	-	-
Refractive Index Det OQ/ PV Test Sample (10 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	OECD 301B Ready Biodegradability - CO2 Evolution Test	62 % - Readily - 28 days	-	-
Refractive Index Det OQ/ PV Test Sample (15 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	OECD 301B Ready Biodegradability - CO2 Evolution Test	62 % - Readily - 28 days	-	-
Refractive Index Det OQ/ PV Test Sample (25 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	OECD 301B Ready Biodegradability - CO2 Evolution Test	62 % - Readily - 28 days	-	-
Refractive Index Det OQ/ PV Test Sample (50 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	OECD 301B Ready Biodegradability - CO2 Evolution Test	62 % - Readily - 28 days	-	-

OQ_PV Test Sample for Refractive Index Detector, Part Number 5064-8220

SECTION 12: Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Refractive Index Det OQ/ PV Test Sample (5 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	-	-	Readily
Refractive Index Det OQ/ PV Test Sample (10 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	-	-	Readily
Refractive Index Det OQ/ PV Test Sample (15 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	-	-	Readily
Refractive Index Det OQ/ PV Test Sample (25 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	-	-	Readily
Refractive Index Det OQ/ PV Test Sample (50 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Refractive Index Det OQ/ PV Test Sample (5 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	0.326	-	low

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Refractive Index Det OQ/ PV Test Sample (10 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	0.326	-	low
Refractive Index Det OQ/ PV Test Sample (15 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	0.326	-	low
Refractive Index Det OQ/ PV Test Sample (25 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	0.326	-	low
Refractive Index Det OQ/ PV Test Sample (50 mg/mL) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	0.326	-	low

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised 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.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

OQ_PV Test Sample for Refractive Index Detector, Part Number 5064-8220

SECTION 13: Disposal considerations

Special precautions : 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.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

Additional information

14.6 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.

14.7 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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Label : Refractive Index Det OQ/PV Test Sample (5 mg/mL) Not applicable.
 Refractive Index Det OQ/PV Test Sample (10 mg/mL) Not applicable.
 Refractive Index Det OQ/PV Test Sample (15 mg/mL) Not applicable.
 Refractive Index Det OQ/PV Test Sample (25 mg/mL) Not applicable.
 Refractive Index Det OQ/PV Test Sample (50 mg/mL) Not applicable.

Other EU regulations

Ozone depleting substances (1005/2009/EU)

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SECTION 15: Regulatory information

Not listed.

[Prior Informed Consent \(PIC\) \(649/2012/EU\)](#)

Not listed.

[Persistent Organic Pollutants](#)

Not listed.

[Seveso Directive](#)

This product is not controlled under the Seveso Directive.

[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.

[Inventory list](#)

Australia	: Not determined.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
Europe	: Not determined.
Japan	: Japan inventory (CSCL) : All components are listed or exempted. Japan inventory (ISHL) : All components are listed or exempted.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.
Thailand	: All components are listed or exempted.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: All components are listed or exempted.

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments might still be required.

SECTION 16: Other information

🔍 Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
N/A = Not available
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration

OQ_PV Test Sample for Refractive Index Detector, Part Number 5064-8220

SECTION 16: Other information

RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Refractive Index Det OQ/PV Test Sample (5 mg/mL) Skin Sens. 1, H317 Aquatic Chronic 3, H412	Calculation method Calculation method
Refractive Index Det OQ/PV Test Sample (10 mg/mL) Skin Sens. 1, H317 Aquatic Chronic 3, H412	Calculation method Calculation method
Refractive Index Det OQ/PV Test Sample (15 mg/mL) Skin Sens. 1, H317 Aquatic Chronic 3, H412	Calculation method Calculation method
Refractive Index Det OQ/PV Test Sample (25 mg/mL) Skin Sens. 1, H317 Aquatic Chronic 3, H412	Calculation method Calculation method
Refractive Index Det OQ/PV Test Sample (50 mg/mL) Skin Sens. 1, H317 Aquatic Chronic 3, H412	Calculation method Calculation method

Full text of abbreviated H statements

Refractive Index Det OQ/PV Test Sample (5 mg/mL) H301 H310 H314 H317 H330 H400 H410 H412 EUH071	Toxic if swallowed. Fatal in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Fatal if inhaled. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. Corrosive to the respiratory tract.
Refractive Index Det OQ/PV Test Sample (10 mg/mL) H301 H310 H314 H317 H330 H400 H410 H412 EUH071	Toxic if swallowed. Fatal in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Fatal if inhaled. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. Corrosive to the respiratory tract.
Refractive Index Det OQ/PV Test Sample (15 mg/mL) H301 H310 H314 H317 H330 H400 H410 H412 EUH071	Toxic if swallowed. Fatal in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Fatal if inhaled. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. Corrosive to the respiratory tract.

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SECTION 16: Other information

<p>Refractive Index Det OQ/PV Test Sample (25 mg/mL) H301 H310 H314 H317 H330 H400 H410 H412 EUH071</p> <p>Refractive Index Det OQ/PV Test Sample (50 mg/mL) H301 H310 H314 H317 H330 H400 H410 H412 EUH071</p>	<p>Toxic if swallowed. Fatal in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Fatal if inhaled. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. Corrosive to the respiratory tract.</p> <p>Toxic if swallowed. Fatal in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Fatal if inhaled. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. Corrosive to the respiratory tract.</p>
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[Full text of classifications \[CLP/GHS\]](#)

<p>Refractive Index Det OQ/PV Test Sample (5 mg/mL) Acute Tox. 2 Acute Tox. 3 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 3 Skin Corr. 1C Skin Sens. 1 Skin Sens. 1A</p> <p>Refractive Index Det OQ/PV Test Sample (10 mg/mL) Acute Tox. 2 Acute Tox. 3 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 3 Skin Corr. 1C Skin Sens. 1 Skin Sens. 1A</p> <p>Refractive Index Det OQ/PV Test Sample (15 mg/mL) Acute Tox. 2 Acute Tox. 3 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 3 Skin Corr. 1C Skin Sens. 1 Skin Sens. 1A</p> <p>Refractive Index Det OQ/PV Test Sample (25 mg/mL) Acute Tox. 2 Acute Tox. 3</p>	<p>ACUTE TOXICITY - Category 2 ACUTE TOXICITY - Category 3 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 SKIN CORROSION/IRRITATION - Category 1C SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1A</p> <p>ACUTE TOXICITY - Category 2 ACUTE TOXICITY - Category 3 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 SKIN CORROSION/IRRITATION - Category 1C SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1A</p> <p>ACUTE TOXICITY - Category 2 ACUTE TOXICITY - Category 3 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 SKIN CORROSION/IRRITATION - Category 1C SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1A</p> <p>ACUTE TOXICITY - Category 2 ACUTE TOXICITY - Category 3</p>
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OQ_PV Test Sample for Refractive Index Detector, Part Number 5064-8220

SECTION 16: Other information

Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 3 Skin Corr. 1C Skin Sens. 1 Skin Sens. 1A	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 SKIN CORROSION/IRRITATION - Category 1C SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1A
Refractive Index Det OQ/PV Test Sample (50 mg/mL) Acute Tox. 2 Acute Tox. 3 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 3 Skin Corr. 1C Skin Sens. 1 Skin Sens. 1A	ACUTE TOXICITY - Category 2 ACUTE TOXICITY - Category 3 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 SKIN CORROSION/IRRITATION - Category 1C SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1A

Date of issue/ Date of revision : 17/05/2022

Date of previous issue : No previous validation

Version : 1

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