

SAFETY DATA SHEET



Agilent High Sensitivity Protein 250 Kit, Part Number 5067-1575

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

1.1 Product identifier

Product name	:	Agilent High Sensitivity Protein 250 Kit, Part Number 5067-1575	
CAS number	:	High Sensitivity Protein	704891-70-3
		250 Labeling Dye	
		Protein 250 DMSO	Not available.
		10 x Protein 250	Not applicable.
		Labeling Buffer	
		Protein 250	Not applicable.
		Ethanolamine	
		Protein 250 Destain	Not applicable.
		Solution	
		Protein 250 Gel Matrix	Not applicable.
		Protein 250 Sample	Not applicable.
		Buffer	
		Protein 250 Ladder	Not applicable.
Part no. (chemical kit)	:	5067-1575	
Part no.	:	<u>High Sensitivity Protein</u>	<u>G2938-85002</u>
		<u>Labeling Dye</u>	
		High Sensitivity Protein	Not available.
		250 Labeling Dye	
		<u>High Sensitivity Protein</u>	<u>G2938-85001</u>
		<u>Labeling Reagents</u>	
		Protein 250 DMSO	Not available.
		10 x Protein 250	Not available.
		Labeling Buffer	
		Protein 250	Not available.
		Ethanolamine	
		<u>High Sensitivity Protein</u>	<u>G2938-85000</u>
		<u>Reagents</u>	
		Protein 250 Destain	Not available.
		Solution	
		Protein 250 Gel Matrix	Not available.
		Protein 250 Sample	Not available.
		Buffer	
		<u>High Sensitivity Protein</u>	<u>G2938-85003</u>
		<u>Ladder</u>	
		Protein 250 Ladder	Not available.

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

Identified uses	:	Analytical chemistry. Research and Development	
		High Sensitivity Protein 250 Labeling Dye	1 x 0.018 mg
		Protein 250 DMSO	1 x 0.1 ml
		10 x Protein 250 Labeling Buffer	1 x 1 ml
		Protein 250 Ethanolamine	1 x 0.1 ml
		Protein 250 Destain Solution	1 x 0.150 ml
		Protein 250 Gel Matrix	1 x 0.6 ml
		Protein 250 Sample Buffer	3 x 0.1 ml
		Protein 250 Ladder	1 x 0.018 ml
Uses advised against	:	None known.	

1.3 Details of the supplier of the safety data sheet

Agilent High Sensitivity Protein 250 Kit, Part Number 5067-1575

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

Agilent Technologies Deutschland GmbH
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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	:	High Sensitivity Protein 250 Labeling Dye	Mono-constituent substance
		Protein 250 DMSO	Mono-constituent substance
		10 x Protein 250 Labeling Buffer	Mixture
		Protein 250 Ethanolamine	Mixture
		Protein 250 Destain Solution	Mixture
		Protein 250 Gel Matrix	Mixture
		Protein 250 Sample Buffer	Mixture
		Protein 250 Ladder	Mixture

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

High Sensitivity

Protein 250 Labeling

Dye

H318

SERIOUS EYE DAMAGE/EYE IRRITATION

Category 1

High Sensitivity Protein 250 Labeling Dye	The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Protein 250 DMSO	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
10 x Protein 250 Labeling Buffer	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Protein 250 Ethanolamine	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Protein 250 Destain Solution	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Protein 250 Gel Matrix	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Protein 250 Sample Buffer	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Protein 250 Ladder	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown toxicity	:	10 x Protein 250 Labeling Buffer	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
		Protein 250 Destain Solution	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10%
		Protein 250 Gel Matrix	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
			Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10%

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	Protein 250 Ladder	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 10 - 30%
Ingredients of unknown ecotoxicity	: Protein 250 Destain Solution	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
	Protein 250 Gel Matrix	Contains 4.5% of components with unknown hazards to the aquatic environment
		Contains 4.5% of components with unknown hazards to the aquatic environment

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.

2.2 Label elements

Hazard pictograms : High Sensitivity Protein 250 Labeling Dye



Signal word : High Sensitivity Protein 250 Labeling Dye : Danger
 Protein 250 DMSO : No signal word.
 10 x Protein 250 Labeling Buffer : No signal word.
 Protein 250 : No signal word.
 Ethanolamine : No signal word.
 Protein 250 Destain Solution : No signal word.
 Protein 250 Gel Matrix : No signal word.
 Protein 250 Sample Buffer : No signal word.
 Protein 250 Ladder : No signal word.

Hazard statements : High Sensitivity Protein 250 Labeling Dye : H318 - Causes serious eye damage.
 Protein 250 DMSO : No known significant effects or critical hazards.
 10 x Protein 250 Labeling Buffer : No known significant effects or critical hazards.
 Protein 250 : No known significant effects or critical hazards.
 Ethanolamine : No known significant effects or critical hazards.
 Protein 250 Destain Solution : No known significant effects or critical hazards.
 Protein 250 Gel Matrix : No known significant effects or critical hazards.
 Protein 250 Sample Buffer : No known significant effects or critical hazards.
 Protein 250 Ladder : No known significant effects or critical hazards.

Precautionary statements

Prevention : High Sensitivity Protein 250 Labeling Dye : P280 - Wear eye or face protection.
 Protein 250 DMSO : Not applicable.
 10 x Protein 250 Labeling Buffer : Not applicable.
 Protein 250 : Not applicable.
 Ethanolamine : Not applicable.
 Protein 250 Destain Solution : Not applicable.
 Protein 250 Gel Matrix : Not applicable.
 Protein 250 Sample Buffer : Not applicable.
 Protein 250 Ladder : Not applicable.

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SECTION 2: Hazards identification

Response	: High Sensitivity Protein 250 Labeling Dye	P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
	Protein 250 DMSO	Not applicable.
	10 x Protein 250 Labeling Buffer	Not applicable.
	Protein 250 Ethanolamine	Not applicable.
	Protein 250 Destain Solution	Not applicable.
	Protein 250 Gel Matrix	Not applicable.
	Protein 250 Sample Buffer	Not applicable.
	Protein 250 Ladder	Not applicable.
Storage	: High Sensitivity Protein 250 Labeling Dye	Not applicable.
	Protein 250 DMSO	Not applicable.
	10 x Protein 250 Labeling Buffer	Not applicable.
	Protein 250 Ethanolamine	Not applicable.
	Protein 250 Destain Solution	Not applicable.
	Protein 250 Gel Matrix	Not applicable.
	Protein 250 Sample Buffer	Not applicable.
	Protein 250 Ladder	Not applicable.
Disposal	: High Sensitivity Protein 250 Labeling Dye	Not applicable.
	Protein 250 DMSO	Not applicable.
	10 x Protein 250 Labeling Buffer	Not applicable.
	Protein 250 Ethanolamine	Not applicable.
	Protein 250 Destain Solution	Not applicable.
	Protein 250 Gel Matrix	Not applicable.
	Protein 250 Sample Buffer	Not applicable.
	Protein 250 Ladder	Not applicable.
Hazardous ingredients	: 10 x Protein 250 Labeling Buffer	Not applicable.
	Protein 250 Destain Solution	Not applicable.
	Protein 250 Gel Matrix	Not applicable.
Supplemental label elements	: High Sensitivity Protein 250 Labeling Dye	Not applicable.
	Protein 250 DMSO	Not applicable.
	10 x Protein 250 Labeling Buffer	Safety data sheet available on request.
	Protein 250 Ethanolamine	Not applicable.
	Protein 250 Destain Solution	Safety data sheet available on request.
	Protein 250 Gel Matrix	Safety data sheet available on request.
	Protein 250 Sample Buffer	Not applicable.
	Protein 250 Ladder	Not applicable.

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SECTION 2: Hazards identification

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: High Sensitivity Protein 250 Labeling Dye	Not applicable.
	Protein 250 DMSO	Not applicable.
	10 x Protein 250 Labeling Buffer	Not applicable.
	Protein 250	Not applicable.
	Ethanolamine	
	Protein 250 Destain Solution	Not applicable.
	Protein 250 Gel Matrix	Not applicable.
	Protein 250 Sample Buffer	Not applicable.
	Protein 250 Ladder	Not applicable.

Special packaging requirements

Tactile warning of danger	: High Sensitivity Protein 250 Labeling Dye	Not applicable.
	Protein 250 DMSO	Not applicable.
	10 x Protein 250 Labeling Buffer	Not applicable.
	Protein 250	Not applicable.
	Ethanolamine	
	Protein 250 Destain Solution	Not applicable.
	Protein 250 Gel Matrix	Not applicable.
	Protein 250 Sample Buffer	Not applicable.
	Protein 250 Ladder	Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

	PBT	P	B	T	vPvB	vP	vB
High Sensitivity Protein 250 Labeling Dye	No	N/A	N/A	No	N/A	N/A	N/A
Protein 250 DMSO	N/A	N/A	N/A	N/A	N/A	N/A	N/A

10 x Protein 250 Labeling Buffer: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
 Protein 250 Ethanolamine: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
 Protein 250 Destain Solution: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
 Protein 250 Gel Matrix: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
 Protein 250 Sample Buffer: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
 Protein 250 Ladder: 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	: High Sensitivity Protein 250 Labeling Dye	None known.
	Protein 250 DMSO	None known.
	10 x Protein 250 Labeling Buffer	None known.
	Protein 250	None known.
	Ethanolamine	
	Protein 250 Destain Solution	None known.

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SECTION 2: Hazards identification

Protein 250 Gel Matrix	None known.
Protein 250 Sample	None known.
Buffer	
Protein 250 Ladder	None known.

SECTION 3: Composition/information on ingredients

3.1 Substances	:	High Sensitivity Protein 250	Mono-constituent substance
		Labeling Dye	
		Protein 250 DMSO	Mono-constituent substance
		10 x Protein 250 Labeling Buffer	Mixture
		Protein 250 Ethanolamine	Mixture
		Protein 250 Destain Solution	Mixture
		Protein 250 Gel Matrix	Mixture
		Protein 250 Sample Buffer	Mixture
		Protein 250 Ladder	Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
High Sensitivity Protein 250 Labeling Dye 3H-Indolium, 2-[3-[7-(diethylamino)-2-(1,1-dimethylethyl)-4H-1-benzopyran-4-ylidene]-1-propen-1-yl]-3-[4-[(2,5-dioxo-1-pyrrolidinyl)oxy]-4-oxobutyl]-3-methyl-5-sulfo-1-(3-sulfopropyl)-, inner salt, sodium salt (1:1)	CAS: 704891-70-3	100	Eye Dam. 1, H318	-	[1]
Protein 250 DMSO Dimethyl sulfoxide	EC: 200-664-3 CAS: 67-68-5	100	Not classified.	-	[1]
10 x Protein 250 Labeling Buffer Trometamol	EC: 201-064-4 CAS: 77-86-1	≤5	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-	[1]
Protein 250 Destain Solution Trometamol	EC: 201-064-4 CAS: 77-86-1	≤5	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-	[1]
Sodium dodecyl sulphate	EC: 205-788-1 CAS: 151-21-3	≤2.4	Flam. Sol. 2, H228 Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 3, H412	ATE [Oral] = 1288 mg/kg ATE [Inhalation (dusts and mists)] = 1.5 mg/l Eye Dam. 1, H318: C ≥ 20% Eye Irrit. 2, H319: 10% ≤ C < 20% M [Acute] = 1	[1]

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SECTION 3: Composition/information on ingredients

Protein 250 Gel Matrix					
Trometamol	EC: 201-064-4 CAS: 77-86-1	≤5	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-	[1]
Sodium dodecyl sulphate	EC: 205-788-1 CAS: 151-21-3	≤2.4	Flam. Sol. 2, H228 Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 3, H412	ATE [Oral] = 1288 mg/kg ATE [Inhalation (dusts and mists)] = 1.5 mg/l Eye Dam. 1, H318: C ≥ 20% Eye Irrit. 2, H319: 10% ≤ C < 20% M [Acute] = 1	[1]
Protein 250 Ladder					
Glycerol	EC: 200-289-5 CAS: 56-81-5	≥10 - ≤25	Not classified. 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.

<u>Type</u>	
High Sensitivity Protein 250 Labeling Dye	[1] Constituent
Protein 250 DMSO	[1] Constituent
10 x Protein 250 Labeling Buffer	[1] Substance classified with a health or environmental hazard
Protein 250 Destain Solution	[1] Substance classified with a health or environmental hazard
Protein 250 Gel Matrix	[1] Substance classified with a health or environmental hazard
Protein 250 Ladder	[1] Substance with a workplace exposure limit

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: High Sensitivity Protein 250 Labeling Dye	Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician.
	Protein 250 DMSO	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	10 x Protein 250 Labeling Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Protein 250 Ethanolamine	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Protein 250 Destain Solution	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Protein 250 Gel Matrix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Protein 250 Sample	Immediately flush eyes with plenty of water, occasionally

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	Buffer	lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Protein 250 Ladder	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: High Sensitivity Protein 250 Labeling Dye	Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Protein 250 DMSO	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	10 x Protein 250 Labeling Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Protein 250 Ethanolamine	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Protein 250 Destain Solution	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Protein 250 Gel Matrix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Protein 250 Sample Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Protein 250 Ladder	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: High Sensitivity Protein 250 Labeling Dye	Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of 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. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Protein 250 DMSO	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	10 x Protein 250	Flush contaminated skin with plenty of water. Remove

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SECTION 4: First aid measures

Ingestion

Labeling Buffer	contaminated clothing and shoes. Get medical attention if symptoms occur.
Protein 250 Ethanolamine	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Protein 250 Destain Solution	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Protein 250 Gel Matrix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Protein 250 Sample Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Protein 250 Ladder	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
: High Sensitivity Protein 250 Labeling Dye	Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protein 250 DMSO	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
10 x Protein 250 Labeling Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protein 250 Ethanolamine	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protein 250 Destain Solution	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protein 250 Gel Matrix	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protein 250 Sample Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protein 250 Ladder	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to

SECTION 4: First aid measures

Protection of first-aiders	: High Sensitivity Protein 250 Labeling Dye	do so by medical personnel. Get medical attention if symptoms occur.
	Protein 250 DMSO	No action shall be taken involving any personal risk or without suitable training.
	10 x Protein 250 Labeling Buffer	No action shall be taken involving any personal risk or without suitable training.
	Protein 250 Ethanolamine	No action shall be taken involving any personal risk or without suitable training.
	Protein 250 Destain Solution	No action shall be taken involving any personal risk or without suitable training.
	Protein 250 Gel Matrix	No action shall be taken involving any personal risk or without suitable training.
	Protein 250 Sample Buffer	No action shall be taken involving any personal risk or without suitable training.
	Protein 250 Ladder	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	: High Sensitivity Protein 250 Labeling Dye	Causes serious eye damage.
	Protein 250 DMSO	No known significant effects or critical hazards.
	10 x Protein 250 Labeling Buffer	No known significant effects or critical hazards.
	Protein 250 Ethanolamine	No known significant effects or critical hazards.
	Protein 250 Destain Solution	No known significant effects or critical hazards.
	Protein 250 Gel Matrix	No known significant effects or critical hazards.
	Protein 250 Sample Buffer	No known significant effects or critical hazards.
	Protein 250 Ladder	No known significant effects or critical hazards.
Inhalation	: High Sensitivity Protein 250 Labeling Dye	No known significant effects or critical hazards.
	Protein 250 DMSO	No known significant effects or critical hazards.
	10 x Protein 250 Labeling Buffer	No known significant effects or critical hazards.
	Protein 250 Ethanolamine	No known significant effects or critical hazards.
	Protein 250 Destain Solution	No known significant effects or critical hazards.
	Protein 250 Gel Matrix	No known significant effects or critical hazards.
	Protein 250 Sample Buffer	No known significant effects or critical hazards.
	Protein 250 Ladder	No known significant effects or critical hazards.
Skin contact	: High Sensitivity Protein 250 Labeling Dye	No known significant effects or critical hazards.
	Protein 250 DMSO	No known significant effects or critical hazards.
	10 x Protein 250 Labeling Buffer	No known significant effects or critical hazards.
	Protein 250 Ethanolamine	No known significant effects or critical hazards.
	Protein 250 Destain Solution	No known significant effects or critical hazards.

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Ingestion	:	Protein 250 Gel Matrix	No known significant effects or critical hazards.
		Protein 250 Sample Buffer	No known significant effects or critical hazards.
		Protein 250 Ladder	No known significant effects or critical hazards.
		High Sensitivity Protein 250 Labeling Dye	No known significant effects or critical hazards.
		Protein 250 DMSO	No known significant effects or critical hazards.
		10 x Protein 250 Labeling Buffer	No known significant effects or critical hazards.
		Protein 250 Ethanolamine	No known significant effects or critical hazards.
		Protein 250 Destain Solution	No known significant effects or critical hazards.
		Protein 250 Gel Matrix	No known significant effects or critical hazards.
		Protein 250 Sample Buffer	No known significant effects or critical hazards.
		Protein 250 Ladder	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	High Sensitivity Protein 250 Labeling Dye	Adverse symptoms may include the following: pain watering redness
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		Protein 250 DMSO	No specific data.
		10 x Protein 250 Labeling Buffer	No specific data.
		Protein 250 Ethanolamine	No specific data.
		Protein 250 Destain Solution	No specific data.
		Protein 250 Gel Matrix	No specific data.
		Protein 250 Sample Buffer	No specific data.
		Protein 250 Ladder	No specific data.

Inhalation	:	High Sensitivity Protein 250 Labeling Dye	No specific data.
		Protein 250 DMSO	No specific data.
		10 x Protein 250 Labeling Buffer	No specific data.
		Protein 250 Ethanolamine	No specific data.
		Protein 250 Destain Solution	No specific data.
		Protein 250 Gel Matrix	No specific data.
		Protein 250 Sample Buffer	No specific data.
		Protein 250 Ladder	No specific data.

Skin contact	:	High Sensitivity Protein 250 Labeling Dye	Adverse symptoms may include the following: pain or irritation redness blistering may occur
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		Protein 250 DMSO	No specific data.
		10 x Protein 250 Labeling Buffer	No specific data.
		Protein 250 Ethanolamine	No specific data.
		Protein 250 Destain Solution	No specific data.
		Protein 250 Gel Matrix	No specific data.
		Protein 250 Sample Buffer	No specific data.

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Ingestion	Protein 250 Ladder	No specific data.
	: High Sensitivity Protein 250 Labeling Dye	Adverse symptoms may include the following: stomach pains
	Protein 250 DMSO	No specific data.
	10 x Protein 250 Labeling Buffer	No specific data.
	Protein 250 Ethanolamine	No specific data.
	Protein 250 Destain Solution	No specific data.
	Protein 250 Gel Matrix	No specific data.
	Protein 250 Sample Buffer	No specific data.
	Protein 250 Ladder	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: High Sensitivity Protein 250 Labeling Dye	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Protein 250 DMSO	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	10 x Protein 250 Labeling Buffer	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Protein 250 Ethanolamine	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Protein 250 Destain Solution	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Protein 250 Gel Matrix	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Protein 250 Sample Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Protein 250 Ladder	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments	: High Sensitivity Protein 250 Labeling Dye	No specific treatment.
	Protein 250 DMSO	No specific treatment.
	10 x Protein 250 Labeling Buffer	No specific treatment.
	Protein 250 Ethanolamine	No specific treatment.
	Protein 250 Destain Solution	No specific treatment.
	Protein 250 Gel Matrix	No specific treatment.
	Protein 250 Sample Buffer	No specific treatment.
	Protein 250 Ladder	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: High Sensitivity Protein 250 Labeling Dye	Use an extinguishing agent suitable for the surrounding fire.
	Protein 250 DMSO	Use an extinguishing agent suitable for the surrounding fire.
	10 x Protein 250 Labeling Buffer	Use an extinguishing agent suitable for the surrounding fire.
	Protein 250 Ethanolamine	Use an extinguishing agent suitable for the surrounding fire.
	Protein 250 Destain	Use an extinguishing agent suitable for the surrounding fire.

SECTION 5: Firefighting measures

	Solution	
	Protein 250 Gel Matrix	Use an extinguishing agent suitable for the surrounding fire.
	Protein 250 Sample Buffer	Use an extinguishing agent suitable for the surrounding fire.
	Protein 250 Ladder	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: High Sensitivity Protein 250 Labeling Dye	None known.
	Protein 250 DMSO	None known.
	10 x Protein 250 Labeling Buffer	None known.
	Protein 250 Ethanolamine	None known.
	Protein 250 Destain Solution	None known.
	Protein 250 Gel Matrix	None known.
	Protein 250 Sample Buffer	None known.
	Protein 250 Ladder	None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	: High Sensitivity Protein 250 Labeling Dye	No specific fire or explosion hazard.	
	Protein 250 DMSO	In a fire or if heated, a pressure increase will occur and the container may burst.	
	10 x Protein 250 Labeling Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.	
	Protein 250 Ethanolamine	In a fire or if heated, a pressure increase will occur and the container may burst.	
	Protein 250 Destain Solution	In a fire or if heated, a pressure increase will occur and the container may burst.	
	Protein 250 Gel Matrix	In a fire or if heated, a pressure increase will occur and the container may burst.	
	Protein 250 Sample Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.	
	Protein 250 Ladder	In a fire or if heated, a pressure increase will occur and the container may burst.	
	Hazardous combustion products	: High Sensitivity Protein 250 Labeling Dye	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides
		Protein 250 DMSO	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides
10 x Protein 250 Labeling Buffer		Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides	
Protein 250 Ethanolamine		No specific data.	
Protein 250 Destain Solution		Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides	
Protein 250 Gel Matrix		Decomposition products may include the following materials:	

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SECTION 5: Firefighting measures

carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
metal oxide/oxides
No specific data.

Protein 250 Sample Buffer
Protein 250 Ladder

Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

5.3 Advice for firefighters

Special precautions for fire-fighters

: High Sensitivity Protein 250 Labeling Dye

Protein 250 DMSO

10 x Protein 250 Labeling Buffer

Protein 250 Ethanolamine

Protein 250 Destain Solution

Protein 250 Gel Matrix

Protein 250 Sample Buffer

Protein 250 Ladder

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.
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.
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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

: High Sensitivity Protein 250 Labeling Dye

Protein 250 DMSO

10 x Protein 250 Labeling Buffer

Protein 250 Ethanolamine

Protein 250 Destain Solution

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.
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.
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.
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.
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.

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SECTION 5: Firefighting measures

Protein 250 Gel Matrix	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. 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.
Protein 250 Sample Buffer	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.
Protein 250 Ladder	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	: High Sensitivity Protein 250 Labeling Dye	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. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Protein 250 DMSO	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. Put on appropriate personal protective equipment.
	10 x Protein 250 Labeling Buffer	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. Put on appropriate personal protective equipment.
	Protein 250 Ethanolamine	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. Put on appropriate personal protective equipment.
	Protein 250 Destain Solution	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	Protein 250 Gel Matrix	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. Put on appropriate personal protective equipment.
	Protein 250 Sample Buffer	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. Put on appropriate personal protective equipment.

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SECTION 6: Accidental release measures

For emergency responders

Protein 250 Ladder	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. Put on appropriate personal protective equipment.
: High Sensitivity Protein 250 Labeling Dye	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".
Protein 250 DMSO	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".
10 x Protein 250 Labeling Buffer	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".
Protein 250 Ethanolamine	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".
Protein 250 Destain Solution	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".
Protein 250 Gel Matrix	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".
Protein 250 Sample Buffer	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".
Protein 250 Ladder	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

: High Sensitivity Protein 250 Labeling Dye	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).
Protein 250 DMSO	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).
10 x Protein 250 Labeling Buffer	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).
Protein 250 Ethanolamine	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).
Protein 250 Destain Solution	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).
Protein 250 Gel Matrix	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).

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SECTION 6: Accidental release measures

Protein 250 Sample Buffer	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).
Protein 250 Ladder	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).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	: High Sensitivity Protein 250 Labeling Dye	Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
	Protein 250 DMSO	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.
	10 x Protein 250 Labeling Buffer	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.
	Protein 250 Ethanolamine	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.
	Protein 250 Destain Solution	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Protein 250 Gel Matrix	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.
	Protein 250 Sample Buffer	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.
	Protein 250 Ladder	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	: High Sensitivity Protein 250 Labeling Dye	Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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.
	Protein 250 DMSO	Put on appropriate personal protective equipment (see Section 8).
	10 x Protein 250 Labeling Buffer	Put on appropriate personal protective equipment (see Section 8).
	Protein 250 Ethanolamine	Put on appropriate personal protective equipment (see Section 8).
	Protein 250 Destain Solution	Put on appropriate personal protective equipment (see Section 8).
	Protein 250 Gel Matrix	Put on appropriate personal protective equipment (see Section 8).
	Protein 250 Sample Buffer	Put on appropriate personal protective equipment (see Section 8).
	Protein 250 Ladder	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: High Sensitivity Protein 250 Labeling Dye	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.
	Protein 250 DMSO	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.
	10 x Protein 250 Labeling Buffer	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.
	Protein 250 Ethanolamine	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.
	Protein 250 Destain Solution	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	Protein 250 Gel Matrix	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.
	Protein 250 Sample Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

SECTION 7: Handling and storage

Protein 250 Ladder

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. 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

: High Sensitivity Protein 250 Labeling Dye

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

Protein 250 DMSO

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.

10 x Protein 250 Labeling Buffer

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.

Protein 250 Ethanolamine

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.

Protein 250 Destain Solution

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. 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.

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SECTION 7: Handling and storage

Protein 250 Gel Matrix	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.
Protein 250 Sample Buffer	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.
Protein 250 Ladder	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

: High Sensitivity Protein 250 Labeling Dye	Industrial applications, Professional applications.
Protein 250 DMSO	Industrial applications, Professional applications.
10 x Protein 250 Labeling Buffer	Industrial applications, Professional applications.
Protein 250 Ethanolamine	Industrial applications, Professional applications.
Protein 250 Destain Solution	Industrial applications, Professional applications.
Protein 250 Gel Matrix	Industrial applications, Professional applications.
Protein 250 Sample Buffer	Industrial applications, Professional applications.
Protein 250 Ladder	Industrial applications, Professional applications.

Industrial sector specific solutions

: High Sensitivity Protein 250 Labeling Dye	Not available.
Protein 250 DMSO	Not available.
10 x Protein 250 Labeling Buffer	Not available.
Protein 250 Ethanolamine	Not available.
Protein 250 Destain Solution	Not available.
Protein 250 Gel Matrix	Not available.
Protein 250 Sample Buffer	Not available.
Protein 250 Ladder	Not available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Protein 250 Ladder Glycerol	NAOSH (Ireland, 5/2021). Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV-8hr: 10 mg/m ³ 8 hours. Form: mist

Biological exposure indices

None known.

Recommended monitoring procedures

: 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

Product/ingredient name	Type	Exposure	Value	Population	Effects
Protein 250 DMSO Dimethyl sulfoxide	DNEL	Long term Inhalation	47 mg/m ³	General population	Local
	DNEL	Long term Oral	60 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	100 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	120 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	200 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	265 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	484 mg/m ³	Workers	Systemic
10 x Protein 250 Labeling Buffer Trometamol	DNEL	Long term Oral	8.3 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	29 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	83.3 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	117.5 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	166.7 mg/kg bw/day	Workers	Systemic
Protein 250 Destain Solution Trometamol	DNEL	Long term Oral	8.3 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	29 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	83.3 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	117.5 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	166.7 mg/kg bw/day	Workers	Systemic

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SECTION 8: Exposure controls/personal protection

Sodium dodecyl sulphate	DNEL	Long term Oral	kg bw/day 24 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	85 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	285 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	2440 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	4060 mg/kg bw/day	Workers	Systemic
Protein 250 Gel Matrix Trometamol	DNEL	Long term Oral	8.3 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	29 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	83.3 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	117.5 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	166.7 mg/kg bw/day	Workers	Systemic
Sodium dodecyl sulphate	DNEL	Long term Oral	24 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	85 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	285 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	2440 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	4060 mg/kg bw/day	Workers	Systemic

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

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.

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SECTION 8: Exposure controls/personal protection

- 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	:	High Sensitivity Protein 250 Labeling Dye	Solid. [lyophilised]
		Protein 250 DMSO	Liquid.
		10 x Protein 250 Labeling Buffer	Liquid.
		Protein 250 Ethanolamine	Liquid.
		Protein 250 Destain Solution	Liquid.
		Protein 250 Gel Matrix	Liquid.
		Protein 250 Sample Buffer	Liquid.
		Protein 250 Ladder	Liquid.
Colour	:	High Sensitivity Protein 250 Labeling Dye	Not available.
		Protein 250 DMSO	Not available.
		10 x Protein 250 Labeling Buffer	Not available.
		Protein 250 Ethanolamine	Not available.
		Protein 250 Destain Solution	Not available.
		Protein 250 Gel Matrix	Not available.
		Protein 250 Sample Buffer	Not available.
		Protein 250 Ladder	Not available.
Odour	:	High Sensitivity Protein 250 Labeling Dye	Odourless.
		Protein 250 DMSO	Not available.
		10 x Protein 250 Labeling Buffer	Not available.
		Protein 250 Ethanolamine	Not available.
		Protein 250 Destain Solution	Not available.
		Protein 250 Gel Matrix	Not available.
		Protein 250 Sample Buffer	Not available.
		Protein 250 Ladder	Not available.

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SECTION 9: Physical and chemical properties

Odour threshold	:	High Sensitivity Protein 250 Labeling Dye	Not available.
		Protein 250 DMSO	Not available.
		10 x Protein 250 Labeling Buffer	Not available.
		Protein 250	Not available.
		Ethanolamine	Not available.
		Protein 250 Destain Solution	Not available.
		Protein 250 Gel Matrix	Not available.
		Protein 250 Sample Buffer	Not available.
		Protein 250 Ladder	Not available.
Melting point/freezing point	:	High Sensitivity Protein 250 Labeling Dye	Not available.
		Protein 250 DMSO	18.5°C
		10 x Protein 250 Labeling Buffer	0°C
		Protein 250	0°C
		Ethanolamine	Not available.
		Protein 250 Destain Solution	Not available.
		Protein 250 Gel Matrix	Not available.
		Protein 250 Sample Buffer	0°C
		Protein 250 Ladder	Not available.
Initial boiling point and boiling range	:	High Sensitivity Protein 250 Labeling Dye	Not available.
		Protein 250 DMSO	189°C
		10 x Protein 250 Labeling Buffer	100°C
		Protein 250	100°C
		Ethanolamine	Not available.
		Protein 250 Destain Solution	Not available.
		Protein 250 Gel Matrix	Not available.
		Protein 250 Sample Buffer	100°C
		Protein 250 Ladder	Not available.
Flammability	:	High Sensitivity Protein 250 Labeling Dye	May be combustible at high temperature.
		Protein 250 DMSO	Not applicable.
		10 x Protein 250 Labeling Buffer	Not applicable.
		Protein 250	Not applicable.
		Ethanolamine	Not applicable.
		Protein 250 Destain Solution	Not applicable.
		Protein 250 Gel Matrix	Not applicable.
		Protein 250 Sample Buffer	Not applicable.
		Protein 250 Ladder	Not applicable.
Upper/lower flammability or explosive limits	:	High Sensitivity Protein 250 Labeling Dye	Not applicable.
		Protein 250 DMSO	Lower: 2.6% Upper: 28.5%
		10 x Protein 250 Labeling Buffer	Not available.
		Protein 250	Not available.
		Ethanolamine	Not available.
		Protein 250 Destain Solution	Not available.

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SECTION 9: Physical and chemical properties

Flash point

Protein 250 Gel Matrix	Not available.
Protein 250 Sample Buffer	Not available.
Protein 250 Ladder	Not available.
High Sensitivity Protein 250 Labeling Dye	Not applicable.
Protein 250 DMSO	Closed cup: 87°C Open cup: 87°C
10 x Protein 250 Labeling Buffer	Not available.
Protein 250 Ethanolamine	Not available.
Protein 250 Destain Solution	Not available.
Protein 250 Gel Matrix	Not available.
Protein 250 Sample Buffer	Not available.
Protein 250 Ladder	Not available.

Ingredient name	Closed cup		Open cup	
	°C	Method	°C	Method
Protein 250 Ladder				
Glycerol			177	

Auto-ignition temperature

High Sensitivity Protein 250 Labeling Dye	Not applicable.
Protein 250 DMSO	300 to 302°C
10 x Protein 250 Labeling Buffer	Not available.
Protein 250 Ethanolamine	Not available.
Protein 250 Destain Solution	Not available.
Protein 250 Gel Matrix	Not available.
Protein 250 Sample Buffer	Not available.
Protein 250 Ladder	Not available.

Ingredient name	°C	Method
Protein 250 Destain Solution		
Sodium dodecyl sulphate	310.5	VDI 2263
Protein 250 Gel Matrix		
Sodium dodecyl sulphate	310.5	VDI 2263
Protein 250 Ladder		
Glycerol	370	

Decomposition temperature

High Sensitivity Protein 250 Labeling Dye	Not available.
Protein 250 DMSO	Not available.
10 x Protein 250 Labeling Buffer	Not available.
Protein 250 Ethanolamine	Not available.
Protein 250 Destain Solution	Not available.
Protein 250 Gel Matrix	Not available.

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SECTION 9: Physical and chemical properties

pH	:	Protein 250 Sample Buffer	Not available.
		Protein 250 Ladder	Not available.
		High Sensitivity Protein 250 Labeling Dye	Not available.
		Protein 250 DMSO	Not available.
		10 x Protein 250 Labeling Buffer	8.6 to 8.9
		Protein 250 Ethanolamine	Not available.
		Protein 250 Destain Solution	Not available.
		Protein 250 Gel Matrix	Not available.
		Protein 250 Sample Buffer	Not available.
		Protein 250 Ladder	Not available.

Viscosity	:	High Sensitivity Protein 250 Labeling Dye	Not applicable.
		Protein 250 DMSO	Dynamic: 2.14 mPa·s
		10 x Protein 250 Labeling Buffer	Not available.
		Protein 250 Ethanolamine	Not available.
		Protein 250 Destain Solution	Not available.
		Protein 250 Gel Matrix	Not available.
		Protein 250 Sample Buffer	Not available.
		Protein 250 Ladder	Not available.

Solubility(ies)	:	Media	Result
		High Sensitivity Protein 250 Labeling Dye	
		water	Soluble
		methanol	Soluble
		Protein 250 DMSO	
		water	Soluble
		10 x Protein 250 Labeling Buffer	
		water	Soluble
		Protein 250 Ethanolamine	
		water	Soluble
		Protein 250 Destain Solution	
		water	Soluble
		Protein 250 Gel Matrix	
		water	Soluble
		Protein 250 Sample Buffer	
water	Soluble		
Protein 250 Ladder			
water	Soluble		

Partition coefficient: n-octanol/water	:	High Sensitivity Protein 250 Labeling Dye	Not available.
		Protein 250 DMSO	-1.35
		10 x Protein 250 Labeling Buffer	Not applicable.
		Protein 250 Ethanolamine	Not applicable.
		Protein 250 Destain	Not applicable.

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SECTION 9: Physical and chemical properties

Vapour pressure

Solution	
Protein 250 Gel Matrix	Not applicable.
Protein 250 Sample	Not applicable.
Buffer	
Protein 250 Ladder	Not applicable.
High Sensitivity Protein	Not available.
250 Labeling Dye	
Protein 250 DMSO	0.056 kPa (0.42 mm Hg)
10 x Protein 250	Not available.
Labeling Buffer	
Protein 250	Not available.
Ethanolamine	
Protein 250 Destain	Not available.
Solution	
Protein 250 Gel Matrix	Not available.
Protein 250 Sample	Not available.
Buffer	
Protein 250 Ladder	Not available.

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
10 x Protein 250 Labeling Buffer						
water	23.8	3.2		92.258	12.3	
Trometamol	<0.00075006	<0.0001				
Protein 250 Ethanolamine						
water	23.8	3.2		92.258	12.3	
Protein 250 Destain Solution						
water	23.8	3.2		92.258	12.3	
Sodium dodecyl sulphate	≤0.0013501	≤0.00018				
Protein 250 Gel Matrix						
water	23.8	3.2		92.258	12.3	
Sodium dodecyl sulphate	≤0.0013501	≤0.00018				
Protein 250 Sample Buffer						
water	23.8	3.2		92.258	12.3	
Protein 250 Ladder						
water	23.8	3.2		92.258	12.3	

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SECTION 9: Physical and chemical properties

Glycerol	0.000075	0.00001		0.0025	0.00033
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Evaporation rate	:	High Sensitivity Protein 250 Labeling Dye	Not available.
		Protein 250 DMSO	0.026 (butyl acetate = 1)
		10 x Protein 250 Labeling Buffer	Not available.
		Protein 250	Not available.
		Ethanolamine	Not available.
		Protein 250 Destain Solution	Not available.
		Protein 250 Gel Matrix	Not available.
		Protein 250 Sample Buffer	Not available.
		Protein 250 Ladder	Not available.
Relative density	:	High Sensitivity Protein 250 Labeling Dye	Not available.
		Protein 250 DMSO	1.1
		10 x Protein 250 Labeling Buffer	Not available.
		Protein 250	Not available.
		Ethanolamine	Not available.
		Protein 250 Destain Solution	Not available.
		Protein 250 Gel Matrix	Not available.
		Protein 250 Sample Buffer	Not available.
		Protein 250 Ladder	Not available.
Vapour density	:	High Sensitivity Protein 250 Labeling Dye	Not applicable.
		Protein 250 DMSO	2.7 [Air = 1]
		10 x Protein 250 Labeling Buffer	Not available.
		Protein 250	Not available.
		Ethanolamine	Not available.
		Protein 250 Destain Solution	Not available.
		Protein 250 Gel Matrix	Not available.
		Protein 250 Sample Buffer	Not available.
		Protein 250 Ladder	Not available.
Explosive properties	:	High Sensitivity Protein 250 Labeling Dye	Not available.
		Protein 250 DMSO	Not available.
		10 x Protein 250 Labeling Buffer	Not available.
		Protein 250	Not available.
		Ethanolamine	Not available.
		Protein 250 Destain Solution	Not available.
		Protein 250 Gel Matrix	Not available.
		Protein 250 Sample Buffer	Not available.
		Protein 250 Ladder	Not available.
Oxidising properties	:	High Sensitivity Protein 250 Labeling Dye	Not available.
		Protein 250 DMSO	Not available.
		10 x Protein 250 Labeling Buffer	Not available.
		Protein 250	Not available.
		Ethanolamine	Not available.
		Protein 250 Destain	Not available.

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SECTION 9: Physical and chemical properties

Solution	
Protein 250 Gel Matrix	Not available.
Protein 250 Sample	Not available.
Buffer	
Protein 250 Ladder	Not available.

Particle characteristics

Median particle size	:	High Sensitivity Protein 250 Labeling Dye	Not available.
		Protein 250 DMSO	Not applicable.
		10 x Protein 250 Labeling Buffer	Not applicable.
		Protein 250 Ethanolamine	Not applicable.
		Protein 250 Destain Solution	Not applicable.
		Protein 250 Gel Matrix	Not applicable.
		Protein 250 Sample Buffer	Not applicable.
		Protein 250 Ladder	Not applicable.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	:	High Sensitivity Protein 250 Labeling Dye	No specific test data related to reactivity available for this product or its ingredients.
		Protein 250 DMSO	No specific test data related to reactivity available for this product or its ingredients.
		10 x Protein 250 Labeling Buffer	No specific test data related to reactivity available for this product or its ingredients.
		Protein 250 Ethanolamine	No specific test data related to reactivity available for this product or its ingredients.
		Protein 250 Destain Solution	No specific test data related to reactivity available for this product or its ingredients.
		Protein 250 Gel Matrix	No specific test data related to reactivity available for this product or its ingredients.
		Protein 250 Sample Buffer	No specific test data related to reactivity available for this product or its ingredients.
		Protein 250 Ladder	No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability	:	High Sensitivity Protein 250 Labeling Dye	The product is stable.
		Protein 250 DMSO	The product is stable.
		10 x Protein 250 Labeling Buffer	The product is stable.
		Protein 250 Ethanolamine	The product is stable.
		Protein 250 Destain Solution	The product is stable.
		Protein 250 Gel Matrix	The product is stable.
		Protein 250 Sample Buffer	The product is stable.
		Protein 250 Ladder	The product is stable.

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SECTION 10: Stability and reactivity

10.3 Possibility of hazardous reactions	<ul style="list-style-type: none"> : High Sensitivity Protein 250 Labeling Dye Protein 250 DMSO 10 x Protein 250 Labeling Buffer Protein 250 Ethanolamine Protein 250 Destain Solution Protein 250 Gel Matrix Protein 250 Sample Buffer Protein 250 Ladder 	<ul style="list-style-type: none"> Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	<ul style="list-style-type: none"> : High Sensitivity Protein 250 Labeling Dye Protein 250 DMSO 10 x Protein 250 Labeling Buffer Protein 250 Ethanolamine Protein 250 Destain Solution Protein 250 Gel Matrix Protein 250 Sample Buffer Protein 250 Ladder 	<ul style="list-style-type: none"> No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
10.5 Incompatible materials	<ul style="list-style-type: none"> : High Sensitivity Protein 250 Labeling Dye Protein 250 DMSO 10 x Protein 250 Labeling Buffer Protein 250 Ethanolamine Protein 250 Destain Solution Protein 250 Gel Matrix Protein 250 Sample Buffer Protein 250 Ladder 	<ul style="list-style-type: none"> May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
10.6 Hazardous decomposition products	<ul style="list-style-type: none"> : High Sensitivity Protein 250 Labeling Dye Protein 250 DMSO 10 x Protein 250 Labeling Buffer Protein 250 Ethanolamine Protein 250 Destain Solution Protein 250 Gel Matrix Protein 250 Sample Buffer Protein 250 Ladder 	<ul style="list-style-type: none"> Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Protein 250 DMSO Dimethyl sulfoxide	LD50 Dermal LD50 Oral	Rat Rat	40000 mg/kg 14500 mg/kg	- -
10 x Protein 250 Labeling Buffer Trometamol	LD50 Dermal	Rat	>5000 mg/kg	-
Protein 250 Destain Solution Trometamol Sodium dodecyl sulphate	LD50 Dermal LD50 Oral	Rat Rat	>5000 mg/kg 1288 mg/kg	- -
Protein 250 Gel Matrix Trometamol Sodium dodecyl sulphate	LD50 Dermal LD50 Oral	Rat Rat	>5000 mg/kg 1288 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)
Protein 250 DMSO Dimethyl sulfoxide	14500	40000	N/A	N/A	N/A
Protein 250 Destain Solution Protein 250 Destain Solution Sodium dodecyl sulphate	128800.1 1288	N/A N/A	N/A N/A	N/A N/A	150.0 1.5
Protein 250 Gel Matrix Protein 250 Gel Matrix Sodium dodecyl sulphate	128805.2 1288	N/A N/A	N/A N/A	N/A N/A	132.9 1.5

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Protein 250 DMSO Dimethyl sulfoxide	Eyes - Mild irritant Eyes - Mild irritant	Rabbit Rabbit	- -	100 mg 24 hours 500 mg	- -
	Skin - Mild irritant Skin - Mild irritant	Rabbit Rabbit	- -	100 mg 24 hours 500 mg	- -
10 x Protein 250 Labeling Buffer Trometamol	Skin - Moderate irritant Skin - Severe irritant	Rabbit Rabbit	- -	25 % 500 mg	- -
Protein 250 Destain Solution Trometamol	Skin - Moderate irritant Skin - Severe irritant	Rabbit Rabbit	- -	25 % 500 mg	- -
Sodium dodecyl sulphate	Eyes - Mild irritant Eyes - Moderate irritant Eyes - Moderate irritant	Rabbit Rabbit Rabbit	- - -	250 ug 10 mg 24 hours 100 mg	- - -

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SECTION 11: Toxicological information

Protein 250 Gel Matrix Trometamol	Skin - Mild irritant	Guinea pig	-	24 hours 25 mg	-	
	Skin - Mild irritant	Rabbit	-	24 hours 50 mg	-	
	Skin - Moderate irritant	Mouse	-	24 hours 25 mg	-	
	Skin - Moderate irritant	Rabbit	-	24 hours 25 mg	-	
	Skin - Moderate irritant	Rabbit	-	25 %	-	
	Skin - Severe irritant	Rabbit	-	500 mg	-	
	Sodium dodecyl sulphate	Eyes - Mild irritant	Rabbit	-	250 ug	-
		Eyes - Moderate irritant	Rabbit	-	10 mg	-
		Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
		Skin - Mild irritant	Guinea pig	-	24 hours 25 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 50 mg	-	
	Skin - Moderate irritant	Mouse	-	24 hours 25 mg	-	
	Skin - Moderate irritant	Rabbit	-	24 hours 25 mg	-	

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)

Product/ingredient name	Category	Route of exposure	Target organs
Protein 250 Destain Solution Sodium dodecyl sulphate	Category 3	-	Respiratory tract irritation
Protein 250 Gel Matrix Sodium dodecyl sulphate	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure

: High Sensitivity Protein 250 Labeling Dye	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Protein 250 DMSO	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
10 x Protein 250 Labeling Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Protein 250	Not available.
Ethanolamine	
Protein 250 Destain	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

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Solution	
Protein 250 Gel Matrix	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Protein 250 Sample Buffer	Not available.
Protein 250 Ladder	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Potential acute health effects

Inhalation	:	High Sensitivity Protein 250 Labeling Dye	No known significant effects or critical hazards.
		Protein 250 DMSO	No known significant effects or critical hazards.
		10 x Protein 250 Labeling Buffer	No known significant effects or critical hazards.
		Protein 250 Ethanolamine	No known significant effects or critical hazards.
		Protein 250 Destain Solution	No known significant effects or critical hazards.
		Protein 250 Gel Matrix	No known significant effects or critical hazards.
		Protein 250 Sample Buffer	No known significant effects or critical hazards.
		Protein 250 Ladder	No known significant effects or critical hazards.
Ingestion	:	High Sensitivity Protein 250 Labeling Dye	No known significant effects or critical hazards.
		Protein 250 DMSO	No known significant effects or critical hazards.
		10 x Protein 250 Labeling Buffer	No known significant effects or critical hazards.
		Protein 250 Ethanolamine	No known significant effects or critical hazards.
		Protein 250 Destain Solution	No known significant effects or critical hazards.
		Protein 250 Gel Matrix	No known significant effects or critical hazards.
		Protein 250 Sample Buffer	No known significant effects or critical hazards.
		Protein 250 Ladder	No known significant effects or critical hazards.
Skin contact	:	High Sensitivity Protein 250 Labeling Dye	No known significant effects or critical hazards.
		Protein 250 DMSO	No known significant effects or critical hazards.
		10 x Protein 250 Labeling Buffer	No known significant effects or critical hazards.
		Protein 250 Ethanolamine	No known significant effects or critical hazards.
		Protein 250 Destain Solution	No known significant effects or critical hazards.
		Protein 250 Gel Matrix	No known significant effects or critical hazards.
		Protein 250 Sample Buffer	No known significant effects or critical hazards.
		Protein 250 Ladder	No known significant effects or critical hazards.
Eye contact	:	High Sensitivity Protein 250 Labeling Dye	Causes serious eye damage.
		Protein 250 DMSO	No known significant effects or critical hazards.
		10 x Protein 250 Labeling Buffer	No known significant effects or critical hazards.
		Protein 250 Ethanolamine	No known significant effects or critical hazards.
		Protein 250 Destain Solution	No known significant effects or critical hazards.
		Protein 250 Gel Matrix	No known significant effects or critical hazards.
		Protein 250 Sample Buffer	No known significant effects or critical hazards.
		Protein 250 Ladder	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

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SECTION 11: Toxicological information

Inhalation	: High Sensitivity Protein 250 Labeling Dye Protein 250 DMSO 10 x Protein 250 Labeling Buffer Protein 250 Ethanolamine Protein 250 Destain Solution Protein 250 Gel Matrix Protein 250 Sample Buffer Protein 250 Ladder	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
Ingestion	: High Sensitivity Protein 250 Labeling Dye Protein 250 DMSO 10 x Protein 250 Labeling Buffer Protein 250 Ethanolamine Protein 250 Destain Solution Protein 250 Gel Matrix Protein 250 Sample Buffer Protein 250 Ladder	Adverse symptoms may include the following: stomach pains No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
Skin contact	: High Sensitivity Protein 250 Labeling Dye Protein 250 DMSO 10 x Protein 250 Labeling Buffer Protein 250 Ethanolamine Protein 250 Destain Solution Protein 250 Gel Matrix Protein 250 Sample Buffer Protein 250 Ladder	Adverse symptoms may include the following: pain or irritation redness blistering may occur No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
Eye contact	: High Sensitivity Protein 250 Labeling Dye Protein 250 DMSO 10 x Protein 250 Labeling Buffer Protein 250 Ethanolamine Protein 250 Destain Solution Protein 250 Gel Matrix Protein 250 Sample Buffer Protein 250 Ladder	Adverse symptoms may include the following: pain watering redness No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

SECTION 11: Toxicological information

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	:	High Sensitivity Protein 250 Labeling Dye	No known significant effects or critical hazards.
		Protein 250 DMSO	No known significant effects or critical hazards.
		10 x Protein 250 Labeling Buffer	No known significant effects or critical hazards.
		Protein 250 Ethanolamine	No known significant effects or critical hazards.
		Protein 250 Destain Solution	No known significant effects or critical hazards.
		Protein 250 Gel Matrix	No known significant effects or critical hazards.
		Protein 250 Sample Buffer	No known significant effects or critical hazards.
		Protein 250 Ladder	No known significant effects or critical hazards.
Carcinogenicity	:	High Sensitivity Protein 250 Labeling Dye	No known significant effects or critical hazards.
		Protein 250 DMSO	No known significant effects or critical hazards.
		10 x Protein 250 Labeling Buffer	No known significant effects or critical hazards.
		Protein 250 Ethanolamine	No known significant effects or critical hazards.
		Protein 250 Destain Solution	No known significant effects or critical hazards.
		Protein 250 Gel Matrix	No known significant effects or critical hazards.
		Protein 250 Sample Buffer	No known significant effects or critical hazards.
		Protein 250 Ladder	No known significant effects or critical hazards.
Mutagenicity	:	High Sensitivity Protein 250 Labeling Dye	No known significant effects or critical hazards.
		Protein 250 DMSO	No known significant effects or critical hazards.
		10 x Protein 250 Labeling Buffer	No known significant effects or critical hazards.
		Protein 250 Ethanolamine	No known significant effects or critical hazards.
		Protein 250 Destain Solution	No known significant effects or critical hazards.
		Protein 250 Gel Matrix	No known significant effects or critical hazards.
		Protein 250 Sample Buffer	No known significant effects or critical hazards.
		Protein 250 Ladder	No known significant effects or critical hazards.
Reproductive toxicity	:	High Sensitivity Protein 250 Labeling Dye	No known significant effects or critical hazards.
		Protein 250 DMSO	No known significant effects or critical hazards.
		10 x Protein 250 Labeling Buffer	No known significant effects or critical hazards.
		Protein 250 Ethanolamine	No known significant effects or critical hazards.
		Protein 250 Destain Solution	No known significant effects or critical hazards.
		Protein 250 Gel Matrix	No known significant effects or critical hazards.
		Protein 250 Sample Buffer	No known significant effects or critical hazards.

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SECTION 11: Toxicological information

Buffer
Protein 250 Ladder No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

High Sensitivity Protein 250 Labeling Dye	Not available.
Protein 250 DMSO	Not available.
10 x Protein 250 Labeling Buffer	Not available.
Protein 250 Ethanolamine	Not available.
Protein 250 Destain Solution	Not available.
Protein 250 Gel Matrix	Adverse symptoms may include the following: Repeated exposure may cause skin dryness or cracking.
Protein 250 Sample Buffer	Not available.
Protein 250 Ladder	Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Protein 250 DMSO Dimethyl sulfoxide	Acute LC50 25000 ppm Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 34000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 100 µl/L Marine water	Algae - Ulva lactuca	72 hours
	Chronic NOEC 100 µl/L Fresh water	Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	21 days
10 x Protein 250 Labeling Buffer Trometamol	Acute EC50 >980 mg/l Fresh water	Daphnia	48 hours
	Acute NOEC 520 mg/l Fresh water	Daphnia	48 hours
Protein 250 Destain Solution Trometamol Sodium dodecyl sulphate	Acute EC50 >980 mg/l Fresh water	Daphnia	48 hours
	Acute NOEC 520 mg/l Fresh water	Daphnia	48 hours
	Acute EC50 1200 µg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute LC50 900 µg/l Marine water	Crustaceans - Artemia salina - Adult	48 hours
	Acute LC50 1400 µg/l Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours
	Acute LC50 590 µg/l Fresh water	Fish - Cirrhinus mrigala - Larvae	96 hours
	Chronic NOEC 1.25 mg/l Marine water	Algae - Ulva fasciata - Zoea	96 hours
	Chronic NOEC 1 mg/l Fresh water	Crustaceans - Pseudosida ramosa - Neonate	21 days
Chronic NOEC 3.2 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	21 days	
Chronic NOEC >1357 µg/l Fresh water	Fish - Pimephales promelas	42 days	
Protein 250 Gel Matrix Trometamol Sodium dodecyl sulphate	Acute EC50 >980 mg/l Fresh water	Daphnia	48 hours
	Acute NOEC 520 mg/l Fresh water	Daphnia	48 hours
	Acute EC50 1200 µg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute LC50 900 µg/l Marine water	Crustaceans - Artemia salina - Adult	48 hours
	Acute LC50 1400 µg/l Fresh water	Daphnia - Daphnia pulex -	48 hours

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SECTION 12: Ecological information

Acute LC50 590 µg/l Fresh water	Neonate Fish - <i>Cirrhinus mrigala</i> - Larvae	96 hours
Chronic NOEC 1.25 mg/l Marine water	Algae - <i>Ulva fasciata</i> - Zoea	96 hours
Chronic NOEC 1 mg/l Fresh water	Crustaceans - <i>Pseudosida ramosa</i> - Neonate	21 days
Chronic NOEC 3.2 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	21 days
Chronic NOEC >1357 µg/l Fresh water	Fish - <i>Pimephales promelas</i>	42 days

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Protein 250 DMSO Dimethyl sulfoxide	OECD 301D Ready Biodegradability - Closed Bottle Test	31 % - Not readily - 28 days	-	-
10 x Protein 250 Labeling Buffer Trometamol	OECD 301F Ready Biodegradability - Manometric Respirometry Test	97.1 % - Readily - 28 days	30 mg/l	-
Protein 250 Destain Solution Trometamol	OECD 301F Ready Biodegradability - Manometric Respirometry Test	97.1 % - Readily - 28 days	30 mg/l	-
Sodium dodecyl sulphate	OECD 301B Ready Biodegradability - CO2 Evolution Test	95 % - Readily - 28 days	20 mg/l	Activated sludge
Protein 250 Gel Matrix Trometamol	OECD 301F Ready Biodegradability - Manometric Respirometry Test	97.1 % - Readily - 28 days	30 mg/l	-
Sodium dodecyl sulphate	OECD 301B Ready Biodegradability - CO2 Evolution Test	95 % - Readily - 28 days	20 mg/l	Activated sludge

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SECTION 12: Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Protein 250 DMSO Dimethyl sulfoxide	-	-	Not readily
10 x Protein 250 Labeling Buffer Trometamol	-	-	Readily
Protein 250 Destain Solution Trometamol Sodium dodecyl sulphate	- -	- -	Readily Readily
Protein 250 Gel Matrix Trometamol Sodium dodecyl sulphate	- -	- -	Readily Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Protein 250 DMSO Protein 250 DMSO Dimethyl sulfoxide	-1.35 -1.35	- 3.16	low low
10 x Protein 250 Labeling Buffer Trometamol	-2.31	-	low
Protein 250 Destain Solution Trometamol Sodium dodecyl sulphate	-2.31 -2.03	- -	low low
Protein 250 Gel Matrix Trometamol Sodium dodecyl sulphate	-2.31 -2.03	- -	low 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

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
High Sensitivity Protein 250 Labeling Dye 3H-Indolium, 2-[3-[7-(diethylamino)-2-(1,1-dimethylethyl)-4H-1-benzopyran-4-ylidene]-1-propen-1-yl]-3-[4-[(2,5-dioxo-1-pyrrolidinyl)oxy]-4-oxobutyl]-3-methyl-5-sulfo-1-(3-sulfopropyl)-, inner salt, sodium salt (1:1)	No	N/A	N/A	No	N/A	N/A	N/A
Protein 250 DMSO							

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SECTION 12: Ecological information

Protein 250 DMSO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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12.6 Endocrine disrupting properties

Not available.

12.7 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.

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 spill material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number or ID 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

Not listed.

Label	:	High Sensitivity Protein 250	Not applicable.
		Labeling Dye	
		Protein 250 DMSO	Not applicable.
		10 x Protein 250 Labeling Buffer	Not applicable.
		Protein 250 Ethanolamine	Not applicable.
		Protein 250 Destain Solution	Not applicable.
		Protein 250 Gel Matrix	Not applicable.
		Protein 250 Sample Buffer	Not applicable.
		Protein 250 Ladder	Not applicable.

Other EU regulations

Industrial emissions (integrated pollution prevention and control) - Air : Listed

Ozone depleting substances (1005/2009/EU)

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	:	Not determined.
China	:	Not determined.

Agilent High Sensitivity Protein 250 Kit, Part Number 5067-1575

SECTION 15: Regulatory information

Eurasian Economic Union	: Russian Federation inventory: Not determined.
Japan	: Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: Not determined.

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 RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative
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Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
High Sensitivity Protein 250 Labeling Dye Eye Dam. 1, H318	Expert judgment

Full text of abbreviated H statements

High Sensitivity Protein 250 Labeling Dye H318	Causes serious eye damage.
10 x Protein 250 Labeling Buffer H315 H319	Causes skin irritation. Causes serious eye irritation.
Protein 250 Destain Solution H228 H302 H315 H318 H319 H332 H335 H400 H412	Flammable solid. Harmful if swallowed. Causes skin irritation. Causes serious eye damage. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Protein 250 Gel Matrix H228 H302 H315	Flammable solid. Harmful if swallowed. Causes skin irritation.

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SECTION 16: Other information

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

<p>High Sensitivity Protein 250 Labeling Dye Eye Dam. 1</p> <p>10 x Protein 250 Labeling Buffer Eye Irrit. 2 Skin Irrit. 2</p> <p>Protein 250 Destain Solution Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 3 Eye Dam. 1 Eye Irrit. 2 Flam. Sol. 2 Skin Irrit. 2 STOT SE 3</p> <p>Protein 250 Gel Matrix Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 3 Eye Dam. 1 Eye Irrit. 2 Flam. Sol. 2 Skin Irrit. 2 STOT SE 3</p>	<p>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1</p> <p>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2</p> <p>ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE SOLIDS - Category 2 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3</p> <p>ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE SOLIDS - Category 2 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3</p>
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Version : 1

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