SAFETY DATA SHEET

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

1.1 Product identifier

Product name : RAPIDPoint ® 500 Measurement cartridges

Product code : 10491447; 10491448; 10491449; 10844813

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

Identified uses	200 Cal Reagent	Diagnostic agents.
	LS Zero Cal	Diagnostic agents.
	Reagent C Pouch	Diagnostic agents.
Restrictions on use	For professional users only.	

1.3 Details of the supplier of the safety data sheet

Manufactured/supplied : Siemens Healthcare Diagnostics Limited
Sir William Siemens Square
Newton House
Camberley
Frimley
Surrey
GU16 8QD
UK

Phone: +44 (0) 1276 696000
Fax: +44 (0)1276 696133

e-mail address of person responsible for this SDS : dx.msds.healthcare@siemens-healthineers.com

1.4 Emergency telephone number

Poison Control:
In England and Wales:
NHS Direct – 0845 4647 or 111
In Scotland: NHS 24 – 08454 24 24 24
In the Republic of Ireland: 01 809 2166

CHEMTREC: 0870-8200418 (UK only)
+(353)-19014670 (UK & Ireland)
(International calls to the United Kingdom)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	200 Cal Reagent	Mixture
	LS Zero Cal	Mixture
	Reagent C Pouch	Mixture

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

Reagent C Pouch
Aquatic Chronic 3, H412

200 Cal Reagent	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
LS Zero Cal	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Reagent C Pouch	The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

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

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

SECTION 2: Hazards identification

2.2 Label elements

Signal word	:	200 Cal Reagent	No signal word.
		LS Zero Cal	No signal word.
		Reagent C Pouch	No signal word.
Hazard statements	:	200 Cal Reagent	Not applicable.
		LS Zero Cal	Not applicable.
		Reagent C Pouch	H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements			
Prevention	:	200 Cal Reagent	Not applicable.
		LS Zero Cal	Not applicable.
		Reagent C Pouch	P273 - Avoid release to the environment.
Response	:	200 Cal Reagent	Not applicable.
		LS Zero Cal	Not applicable.
		Reagent C Pouch	Not applicable.
Storage	:	200 Cal Reagent	Not applicable.
		LS Zero Cal	Not applicable.
		Reagent C Pouch	Not applicable.
Disposal	:	200 Cal Reagent	Not applicable.
		LS Zero Cal	Not applicable.
		Reagent C Pouch	P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.
Supplemental label elements	:	200 Cal Reagent	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction. Safety data sheet available on request.
		LS Zero Cal	Not applicable.
		Reagent C Pouch	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	200 Cal Reagent	Not applicable.
		LS Zero Cal	Not applicable.
		Reagent C Pouch	Not applicable.

2.3 Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII	:	200 Cal Reagent	Not applicable.
		LS Zero Cal	Not applicable.
		Reagent C Pouch	Not applicable.
		200 Cal Reagent	P: Not available. B: Not available. T: Not available.
		LS Zero Cal	P: Not available. B: Not available. T: Not available.
		Reagent C Pouch	P: Not available. B: Not available. T: Not available.
Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	200 Cal Reagent	Not applicable.
		LS Zero Cal	Not applicable.
		Reagent C Pouch	Not applicable.
		200 Cal Reagent	vP: Not available. vB: Not available.
		LS Zero Cal	vP: Not available. vB: Not available.
		Reagent C Pouch	vP: Not available. vB: Not available.
Other hazards which do not result in classification	:	200 Cal Reagent	None known.
		LS Zero Cal	None known.
		Reagent C Pouch	None known.
Additional information	:	Not available.	
		Not available.	

SECTION 3: Composition/information on ingredients

3.2 Mixtures : 200 Cal Reagent — Mixture
LS Zero Cal — Mixture
Reagent C Pouch — Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
Reagent C Pouch 2-methyl-2H-isothiazol-3-one	EC: 220-239-6 CAS: 2682-20-4	<0.1	Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Corr. 1B, H314 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10) **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 and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

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

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact : 200 Cal Reagent — 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.

LS Zero Cal — 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.

Reagent C Pouch — Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Inhalation : 200 Cal Reagent — Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

LS Zero Cal — 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.

SECTION 4: First aid measures

		Reagent C Pouch	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	:	200 Cal Reagent	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		LS Zero Cal	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		Reagent C Pouch	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	:	200 Cal Reagent	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
		LS Zero Cal	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
		Reagent C Pouch	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical

SECTION 4: First aid measures

		attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	: 200 Cal Reagent	No action shall be taken involving any personal risk or without suitable training.
	LS Zero Cal	No action shall be taken involving any personal risk or without suitable training.
	Reagent C Pouch	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact	: 200 Cal Reagent	No specific data.
	LS Zero Cal	No specific data.
	Reagent C Pouch	No specific data.
Inhalation	: 200 Cal Reagent	No specific data.
	LS Zero Cal	No specific data.
	Reagent C Pouch	No specific data.
Skin contact	: 200 Cal Reagent	No specific data.
	LS Zero Cal	No specific data.
	Reagent C Pouch	No specific data.
Ingestion	: 200 Cal Reagent	No specific data.
	LS Zero Cal	No specific data.
	Reagent C Pouch	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: 200 Cal Reagent	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	LS Zero Cal	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.
	Reagent C Pouch	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: 200 Cal Reagent	No specific treatment.
	LS Zero Cal	No specific treatment.
	Reagent C Pouch	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products : No specific data.

5.3 Advice for firefighters

SECTION 5: Firefighting measures

Special protective actions for fire-fighters : 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 : 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 : 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.

For emergency responders : 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

: 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

Small spill : 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.

Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. 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 : Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : 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

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 : Not available.

SECTION 7: Handling and storage

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

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

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

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

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. 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: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Impervious gloves (e.g. butyl, nitrile, etc.) are recommended if skin contact is possible and for processing operations. Protective gloves must meet the standards in accordance with CEN EN374, ASTM F1001 or international equivalent.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

SECTION 8: Exposure controls/personal protection

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

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

9.1 Information on basic physical and chemical properties

Appearance

Physical state	:	200 Cal Reagent	Liquid.
		LS Zero Cal	Liquid.
		Reagent C Pouch	Liquid.
Colour	:	200 Cal Reagent	Colourless.
		LS Zero Cal	Colourless.
		Reagent C Pouch	Red.
Odour	:	200 Cal Reagent	Odourless.
		LS Zero Cal	Odourless.
		Reagent C Pouch	Not relevant/applicable due to nature of the product.
Odour threshold	:	200 Cal Reagent	Not relevant/applicable due to nature of the product.
		LS Zero Cal	Not relevant/applicable due to nature of the product.
		Reagent C Pouch	Not relevant/applicable due to nature of the product.
pH	:	200 Cal Reagent	6.82
		LS Zero Cal	7.4
		Reagent C Pouch	6.8
Melting point/freezing point	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.
Initial boiling point and boiling range	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.
Flash point	:	200 Cal Reagent	[Product does not sustain combustion.]
		LS Zero Cal	[Product does not sustain combustion.]
		Reagent C Pouch	[Product does not sustain combustion.]
Evaporation rate	:	200 Cal Reagent	Not relevant/applicable due to nature of the product.
		LS Zero Cal	Not relevant/applicable due to nature of the product.
		Reagent C Pouch	Not relevant/applicable due to nature of the product.
Flammability (solid, gas)	:	200 Cal Reagent	Not relevant/applicable due to nature of the product.
		LS Zero Cal	Not relevant/applicable due to nature of the product.
		Reagent C Pouch	Not relevant/applicable due to nature of the product.
Upper/lower flammability or explosive limits	:	200 Cal Reagent	Not relevant/applicable due to nature of the product.
		LS Zero Cal	Not relevant/applicable due to nature of the product.
		Reagent C Pouch	Not relevant/applicable due to nature of the product.

SECTION 9: Physical and chemical properties

Vapour pressure	:	200 Cal Reagent	Not relevant/applicable due to nature of the product.
		LS Zero Cal	Not relevant/applicable due to nature of the product.
		Reagent C Pouch	Not relevant/applicable due to nature of the product.
Vapour density	:	200 Cal Reagent	Not relevant/applicable due to nature of the product.
		LS Zero Cal	Not relevant/applicable due to nature of the product.
		Reagent C Pouch	Not relevant/applicable due to nature of the product.
Relative density	:	200 Cal Reagent	1
		LS Zero Cal	1
		Reagent C Pouch	1
Solubility(ies)	:	200 Cal Reagent	Not relevant/applicable due to nature of the product.
		LS Zero Cal	Not relevant/applicable due to nature of the product.
		Reagent C Pouch	Not relevant/applicable due to nature of the product.
Partition coefficient: n-octanol/ water	:	Not relevant/applicable due to nature of the product.	
Auto-ignition temperature	:	200 Cal Reagent	Not relevant/applicable due to nature of the product.
		LS Zero Cal	Not relevant/applicable due to nature of the product.
		Reagent C Pouch	Not relevant/applicable due to nature of the product.
Decomposition temperature	:	200 Cal Reagent	Not relevant/applicable due to nature of the product.
		LS Zero Cal	Not relevant/applicable due to nature of the product.
		Reagent C Pouch	Not relevant/applicable due to nature of the product.
Viscosity	:	Not relevant/applicable due to nature of the product.	
Explosive properties	:	200 Cal Reagent	Not relevant/applicable due to nature of the product.
		LS Zero Cal	Not relevant/applicable due to nature of the product.
		Reagent C Pouch	Not relevant/applicable due to nature of the product.
Oxidising properties	:	Not relevant/applicable due to nature of the product.	

9.2 Other information

Solubility in water	:	200 Cal Reagent	Not relevant/applicable due to nature of the product.
		LS Zero Cal	Not relevant/applicable due to nature of the product.
		Reagent C Pouch	Not relevant/applicable due to nature of the product.

SECTION 10: Stability and reactivity

10.1 Reactivity	:	200 Cal Reagent	No specific test data related to reactivity available for this product or its ingredients.
		LS Zero Cal	No specific test data related to reactivity available for this product or its ingredients.
		Reagent C Pouch	No specific test data related to reactivity available for this product or its

SECTION 10: Stability and reactivity

ingredients.

10.2 Chemical stability : 200 Cal Reagent — The product is stable.
LS Zero Cal — The product is stable.
Reagent C Pouch — The product is stable.

10.3 Possibility of hazardous reactions : 200 Cal Reagent — Under normal conditions of storage and use, hazardous reactions will not occur.
LS Zero Cal — Under normal conditions of storage and use, hazardous reactions will not occur.
Reagent C Pouch — Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : 200 Cal Reagent — No specific data.
LS Zero Cal — No specific data.
Reagent C Pouch — No specific data.

10.5 Incompatible materials : 200 Cal Reagent — No specific data.
LS Zero Cal — No specific data.
Reagent C Pouch — No specific data.

10.6 Hazardous decomposition products : 200 Cal Reagent — Under normal conditions of storage and use, hazardous decomposition products should not be produced.
LS Zero Cal — Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Reagent C Pouch — Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Conclusion/Summary : 200 Cal Reagent — Not available.
LS Zero Cal — Not available.
Reagent C Pouch — Not available.

Irritation/Corrosion

Conclusion/Summary

Skin : 200 Cal Reagent — Not available.
LS Zero Cal — Not available.
Reagent C Pouch — Not available.

Eyes : 200 Cal Reagent — Not available.
LS Zero Cal — Not available.
Reagent C Pouch — Not available.

Respiratory : 200 Cal Reagent — Not available.
LS Zero Cal — Not available.
Reagent C Pouch — Not available.

Sensitisation

Conclusion/Summary

Skin : 200 Cal Reagent — Not available.
LS Zero Cal — Not available.
Reagent C Pouch — Not available.

Respiratory : 200 Cal Reagent — Not available.
LS Zero Cal — Not available.
Reagent C Pouch — Not available.

Mutagenicity

SECTION 11: Toxicological information

Conclusion/Summary : 200 Cal Reagent — Not available.
LS Zero Cal — Not available.
Reagent C Pouch — Not available.

Carcinogenicity

Conclusion/Summary : 200 Cal Reagent — Not available.
LS Zero Cal — Not available.
Reagent C Pouch — Not available.

Reproductive toxicity

Conclusion/Summary : 200 Cal Reagent — Not available.
LS Zero Cal — Not available.
Reagent C Pouch — Not available.

Teratogenicity

Conclusion/Summary : 200 Cal Reagent — Not available.
LS Zero Cal — Not available.
Reagent C Pouch — Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Reagent C Pouch 2-methyl-2H-isothiazol-3-one	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure : 200 Cal Reagent — Not available.
LS Zero Cal — Not available.
Reagent C Pouch — Not available.

Potential acute health effects

Eye contact : 200 Cal Reagent — No known significant effects or critical hazards.
LS Zero Cal — No known significant effects or critical hazards.
Reagent C Pouch — No known significant effects or critical hazards.

Inhalation : 200 Cal Reagent — No known significant effects or critical hazards.
LS Zero Cal — No known significant effects or critical hazards.
Reagent C Pouch — No known significant effects or critical hazards.

Skin contact : 200 Cal Reagent — No known significant effects or critical hazards.
LS Zero Cal — No known significant effects or critical hazards.
Reagent C Pouch — No known significant effects or critical hazards.

Ingestion : 200 Cal Reagent — No known significant effects or critical hazards.
LS Zero Cal — No known significant effects or critical hazards.
Reagent C Pouch — No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

SECTION 11: Toxicological information

Eye contact	:	200 Cal Reagent	No specific data.
		LS Zero Cal	No specific data.
		Reagent C Pouch	No specific data.
Inhalation	:	200 Cal Reagent	No specific data.
		LS Zero Cal	No specific data.
		Reagent C Pouch	No specific data.
Skin contact	:	200 Cal Reagent	No specific data.
		LS Zero Cal	No specific data.
		Reagent C Pouch	No specific data.
Ingestion	:	200 Cal Reagent	No specific data.
		LS Zero Cal	No specific data.
		Reagent C Pouch	No specific data.

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

Short term exposure

Potential immediate effects	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.
Potential delayed effects	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.

Long term exposure

Potential immediate effects	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.
Potential delayed effects	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.

Potential chronic health effects

Not available.

Conclusion/Summary	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.
General	:	200 Cal Reagent	No known significant effects or critical hazards.
		LS Zero Cal	No known significant effects or critical hazards.
		Reagent C Pouch	No known significant effects or critical hazards.
Carcinogenicity	:	200 Cal Reagent	No known significant effects or critical hazards.
		LS Zero Cal	No known significant effects or critical hazards.
		Reagent C Pouch	No known significant effects or critical hazards.
Mutagenicity	:	200 Cal Reagent	No known significant effects or critical hazards.
		LS Zero Cal	No known significant effects or critical hazards.
		Reagent C Pouch	No known significant effects or critical hazards.
Teratogenicity	:	200 Cal Reagent	No known significant effects or critical hazards.
		LS Zero Cal	No known significant effects or critical hazards.
		Reagent C Pouch	No known significant effects or critical hazards.

SECTION 11: Toxicological information

Developmental effects	:	200 Cal Reagent	No known significant effects or critical hazards.
		LS Zero Cal	No known significant effects or critical hazards.
		Reagent C Pouch	No known significant effects or critical hazards.
Fertility effects	:	200 Cal Reagent	No known significant effects or critical hazards.
		LS Zero Cal	No known significant effects or critical hazards.
		Reagent C Pouch	No known significant effects or critical hazards.
Interactive effects	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.

Toxicokinetics

Absorption	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.
Distribution	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.
Metabolism	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.
Elimination	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.
Other information	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Reagent C Pouch			
2-methyl-2H-isothiazol-3-one	Acute EC50 0.18 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.07 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours

Conclusion/Summary	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.

12.2 Persistence and degradability

Conclusion/Summary	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{OC})	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.
Mobility	:	200 Cal Reagent	Not available.
		LS Zero Cal	Not available.
		Reagent C Pouch	Not available.

SECTION 12: Ecological information

12.5 Results of PBT and vPvB assessment

PBT	:	200 Cal Reagent	Not applicable.
		LS Zero Cal	Not applicable.
		Reagent C Pouch	Not applicable.
		200 Cal Reagent	P: Not available. B: Not available. T: Not available.
		LS Zero Cal	P: Not available. B: Not available. T: Not available.
		Reagent C Pouch	P: Not available. B: Not available. T: Not available.
vPvB	:	200 Cal Reagent	Not applicable.
		LS Zero Cal	Not applicable.
		Reagent C Pouch	Not applicable.
		200 Cal Reagent	vP: Not available. vB: Not available.
		LS Zero Cal	vP: Not available. vB: Not available.
		Reagent C Pouch	vP: Not available. vB: Not available.
12.6 Other adverse effects	:	200 Cal Reagent	No known significant effects or critical hazards.
		LS Zero Cal	No known significant effects or critical hazards.
		Reagent C Pouch	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	:	200 Cal Reagent	Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.
		LS Zero Cal	Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.
		Reagent C Pouch	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. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

ADR/RID

14.1 UN number	200 Cal Reagent	Not regulated.
	LS Zero Cal	Not regulated.
	Reagent C Pouch	Not regulated.
14.2 UN proper shipping name	200 Cal Reagent	-
	LS Zero Cal	-
	Reagent C Pouch	-
14.3 Transport hazard class(es)	200 Cal Reagent	-
	LS Zero Cal	-
	Reagent C Pouch	-
14.4 Packing group	200 Cal Reagent	-
	LS Zero Cal	-
	Reagent C Pouch	-
14.5 Environmental hazards	200 Cal Reagent	No.
	LS Zero Cal	No.
	Reagent C Pouch	No.
Additional information	200 Cal Reagent	-
	LS Zero Cal	-
	Reagent C Pouch	-

ADN

14.1 UN number	200 Cal Reagent	Not regulated.
	LS Zero Cal	Not regulated.
	Reagent C Pouch	Not regulated.
14.2 UN proper shipping name	200 Cal Reagent	-
	LS Zero Cal	-
	Reagent C Pouch	-
14.3 Transport hazard class(es)	200 Cal Reagent	-
	LS Zero Cal	-
	Reagent C Pouch	-
14.4 Packing group	200 Cal Reagent	-
	LS Zero Cal	-
	Reagent C Pouch	-
14.5 Environmental hazards	200 Cal Reagent	No.
	LS Zero Cal	No.
	Reagent C Pouch	No.
Additional information	200 Cal Reagent	-
	LS Zero Cal	-
	Reagent C Pouch	-

IMDG

14.1 UN number	200 Cal Reagent	Not regulated.
	LS Zero Cal	Not regulated.
	Reagent C Pouch	Not regulated.
14.2 UN proper shipping name	200 Cal Reagent	-
	LS Zero Cal	-
	Reagent C Pouch	-

SECTION 14: Transport information

14.3 Transport hazard class(es)	200 Cal Reagent	-
	LS Zero Cal	-
	Reagent C Pouch	-
14.4 Packing group	200 Cal Reagent	-
	LS Zero Cal	-
	Reagent C Pouch	-
14.5 Environmental hazards	200 Cal Reagent	No.
	LS Zero Cal	No.
	Reagent C Pouch	No.
Additional information	200 Cal Reagent	-
	LS Zero Cal	-
	Reagent C Pouch	-

IATA

14.1 UN number	200 Cal Reagent	Not regulated.
	LS Zero Cal	Not regulated.
	Reagent C Pouch	Not regulated.
14.2 UN proper shipping name	200 Cal Reagent	-
	LS Zero Cal	-
	Reagent C Pouch	-
14.3 Transport hazard class(es)	200 Cal Reagent	-
	LS Zero Cal	-
	Reagent C Pouch	-
14.4 Packing group	200 Cal Reagent	-
	LS Zero Cal	-
	Reagent C Pouch	-
14.5 Environmental hazards	200 Cal Reagent	No.
	LS Zero Cal	No.
	Reagent C Pouch	No.
Additional information		

14.6 Special precautions for user

200 Cal Reagent	**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.
LS Zero Cal	**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.
Reagent C Pouch	**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.

SECTION 14: Transport information

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

Notes : A "-" = not applicable.

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	:	200 Cal Reagent LS Zero Cal Reagent C Pouch	Not applicable. Not applicable. Not applicable.

Other EU regulations

Industrial emissions (integrated pollution prevention and control) - Air	:	200 Cal Reagent LS Zero Cal Reagent C Pouch	Not listed Not listed Not listed
Industrial emissions (integrated pollution prevention and control) - Water	:	200 Cal Reagent LS Zero Cal Reagent C Pouch	Not listed Not listed Not listed

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

200 Cal Reagent	This product is not controlled under the Seveso Directive.
LS Zero Cal	This product is not controlled under the Seveso Directive.
Reagent C Pouch	This product is not controlled under the Seveso Directive.

International regulations

Inventory list

Europe inventory	:	200 Cal Reagent LS Zero Cal Reagent C Pouch	Not determined. All components are listed or exempted. All components are listed or exempted.

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

SECTION 16: Other information

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
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
vPvB = Very Persistent and Very Bioaccumulative

ASTM = American Society of Testing Materials
CEN = European Committee on Standardization
ECHA = European Chemicals Agency
RTECS = Registry of Toxic Effects of Chemical Substances

Key literature references and sources for data : This SDS was prepared on the basis of sheets of individual components, literature data, online databases (e.g. ECHA, RTECS) as well as our knowledge and experience, taking into account current legislation.

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

Classification	Justification
Reagent C Pouch Aquatic Chronic 3, H412	 Calculation method

Full text of abbreviated H statements

Reagent C Pouch	
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

Reagent C Pouch	
Acute Tox. 3, H301	ACUTE TOXICITY (oral) - Category 3
Acute Tox. 3, H311	ACUTE TOXICITY (dermal) - Category 3
Aquatic Acute 1, H400	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1, H410	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 3, H412	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Skin Corr. 1B, H314	SKIN CORROSION/IRRITATION - Category 1B
Skin Sens. 1, H317	SKIN SENSITISATION - Category 1
STOT SE 3, H335	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

Training advice : Provide workers with adequate training to assure that chemicals are handled safely in accordance with national and community legislation.

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Notice to reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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