(2012 OSHA Hazard Communication Standard (29 CFR 1910.1200))

SAFETY DATA SHEET

SIEMENS

Rapidpoint 405 Measurement Cartridge BG+COox

MSDS no. 130520

Section 1. Identification

GHS product identifier : Rapidpoint 405 Measurement Cartridge BG+COox

Product code : 130520; 130521; 05768789; 07846760; 10323175; 10327073; 10283221

Other means of identification :

Inner Fill Solution	113348, 10291118
RCX Reagent	119866, 10485269
200 Cal Reagent	570141, 03921784, 10334859
Zero Cal	570147, 04551271, 10335434

Product type : Liquid.

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

Not applicable.

Manufactured/supplied :

Siemens Healthcare Diagnostics Inc.
511 Benedict Avenue
Tarrytown, NY 10591-5097 USA
1-877-229-3711

(800) 424-9300 (CHEMTREC) (24/365)

Section 2. Hazards identification

OSHA/HCS status :

Inner Fill Solution	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
RCX Reagent	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
200 Cal Reagent	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Zero Cal	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Section 2. Hazards identification

Classification of the substance or mixture	:	Inner Fill Solution	Not classified.
		RCX Reagent	Not classified.
		200 Cal Reagent	Not classified.
		Zero Cal	Not classified.
Additional information	:	Not available.	
		Not available.	

GHS label elements

Signal word	:	Inner Fill Solution	No signal word.
		RCX Reagent	No signal word.
		200 Cal Reagent	No signal word.
		Zero Cal	No signal word.
Hazard statements	:	Inner Fill Solution	No known significant effects or critical hazards.
		RCX Reagent	No known significant effects or critical hazards.
		200 Cal Reagent	No known significant effects or critical hazards.
		Zero Cal	No known significant effects or critical hazards.

Precautionary statements

Prevention	:	Inner Fill Solution	Not applicable.
		RCX Reagent	Not applicable.
		200 Cal Reagent	Not applicable.
		Zero Cal	Not applicable.
Response	:	Inner Fill Solution	Not applicable.
		RCX Reagent	Not applicable.
		200 Cal Reagent	Not applicable.
		Zero Cal	Not applicable.
Storage	:	Inner Fill Solution	Not applicable.
		RCX Reagent	Not applicable.
		200 Cal Reagent	Not applicable.
		Zero Cal	Not applicable.
Disposal	:	Inner Fill Solution	Not applicable.
		RCX Reagent	Not applicable.
		200 Cal Reagent	Not applicable.
		Zero Cal	Not applicable.
Supplemental label elements	:	Inner Fill Solution	None known.
		RCX Reagent	None known.
		200 Cal Reagent	None known.
		Zero Cal	None known.
Hazards not otherwise classified	:	Inner Fill Solution	None known.
		RCX Reagent	None known.
		200 Cal Reagent	None known.
		Zero Cal	None known.

Section 3. Composition/information on ingredients

Substance/mixture	:	Inner Fill Solution	Mixture
		RCX Reagent	Mixture
		200 Cal Reagent	Mixture
		Zero Cal	Mixture

Ingredient name	%	CAS number
Zero Cal 4-morpholinopropanesulphonic acid	1.046	1132-61-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Section 3. Composition/information on ingredients

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

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	:	Inner Fill 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.
		RCX 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.
		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.
		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.
Inhalation	:	Inner Fill Solution	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		RCX Reagent	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		200 Cal Reagent	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		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.
Skin contact	:	Inner Fill Solution	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		RCX Reagent	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		200 Cal Reagent	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		Zero Cal	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Section 4. First aid measures

Ingestion	:	Inner Fill Solution	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.
		RCX 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.
		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.
		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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	:	Inner Fill Solution	No known significant effects or critical hazards.
		RCX Reagent	No known significant effects or critical hazards.
		200 Cal Reagent	No known significant effects or critical hazards.
		Zero Cal	No known significant effects or critical hazards.
Inhalation	:	Inner Fill Solution	No known significant effects or critical hazards.
		RCX Reagent	No known significant effects or critical hazards.
		200 Cal Reagent	No known significant effects or critical hazards.
		Zero Cal	No known significant effects or critical hazards.
Skin contact	:	Inner Fill Solution	No known significant effects or critical hazards.
		RCX Reagent	No known significant effects or critical hazards.
		200 Cal Reagent	No known significant effects or critical hazards.
		Zero Cal	No known significant effects or critical

Section 4. First aid measures

			hazards.
Ingestion	:	Inner Fill Solution	No known significant effects or critical hazards.
		RCX Reagent	No known significant effects or critical hazards.
		200 Cal Reagent	No known significant effects or critical hazards.
		Zero Cal	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	Inner Fill Solution	No specific data.
		RCX Reagent	No specific data.
		200 Cal Reagent	No specific data.
		Zero Cal	No specific data.
Inhalation	:	Inner Fill Solution	No specific data.
		RCX Reagent	No specific data.
		200 Cal Reagent	No specific data.
		Zero Cal	No specific data.
Skin contact	:	Inner Fill Solution	No specific data.
		RCX Reagent	No specific data.
		200 Cal Reagent	No specific data.
		Zero Cal	No specific data.
Ingestion	:	Inner Fill Solution	No specific data.
		RCX Reagent	No specific data.
		200 Cal Reagent	No specific data.
		Zero Cal	No specific data.

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

Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	:	In case of fire, use water spray (fog), foam or dry chemical.
Unsuitable extinguishing media	:	None known.
Specific hazards arising from the chemical	:	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	No specific data.
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.

Section 6. Accidental release measures

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 spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

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.

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 unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

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

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

Individual protection measures

Section 8. Exposure controls/personal protection

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: 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.

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

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

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

Section 9. Physical and chemical properties

Physical state	: Inner Fill Solution	Liquid.
	RCX Reagent	Liquid.
	200 Cal Reagent	Liquid.
	Zero Cal	Liquid.
Color	: Inner Fill Solution	Colorless.
	RCX Reagent	Red.
	200 Cal Reagent	Colorless.
	Zero Cal	Colorless.
Odor	: Inner Fill Solution	Odorless.
	RCX Reagent	Odorless.
	200 Cal Reagent	Odorless.
	Zero Cal	Odorless.
pH	: Inner Fill Solution	Not applicable.
	RCX Reagent	6.8
	200 Cal Reagent	6.82
	Zero Cal	7.4
Flash point	: Inner Fill Solution	[Product does not sustain combustion.]
	RCX Reagent	[Product does not sustain combustion.]
	200 Cal Reagent	[Product does not sustain combustion.]
	Zero Cal	[Product does not sustain combustion.]
Flammability (solid, gas)	: Inner Fill Solution	Not relevant/applicable due to nature of the product.
	RCX Reagent	Not relevant/applicable due to nature of the product.
	200 Cal Reagent	Not relevant/applicable due to nature of the product.
	Zero Cal	Not relevant/applicable due to nature of the product.
Relative density	: Inner Fill Solution	>1
	RCX Reagent	<1
	200 Cal Reagent	1
	Zero Cal	<1
Solubility in water	: Inner Fill Solution	Not available.
	RCX Reagent	Not available.
	200 Cal Reagent	Not available.
	Zero Cal	Not available.

Section 9. Physical and chemical properties

Partition coefficient: n-octanol/water	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.
Auto-ignition temperature	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.
Viscosity	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.

Aerosol product

Type of aerosol	:	Inner Fill Solution	Not applicable.
		RCX Reagent	Not applicable.
		200 Cal Reagent	Not applicable.
		Zero Cal	Not applicable.

Section 10. Stability and reactivity

Reactivity	:	Inner Fill Solution	No specific test data related to reactivity available for this product or its ingredients.
		RCX Reagent	No specific test data related to reactivity available for this product or its ingredients.
		200 Cal Reagent	No specific test data related to reactivity available for this product or its ingredients.
		Zero Cal	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Inner Fill Solution	The product is stable.
		RCX Reagent	The product is stable.
		200 Cal Reagent	The product is stable.
		Zero Cal	The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Conclusion/Summary	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.

Irritation/Corrosion

Not available.

Conclusion/Summary

Section 11. Toxicological information

Skin	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.
Eyes	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.
Respiratory	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.

Sensitization

Not available.

Conclusion/Summary

Skin	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.
Respiratory	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.

Mutagenicity

Not available.

Conclusion/Summary	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.

Carcinogenicity

Not available.

Conclusion/Summary	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.

Reproductive toxicity

Not available.

Conclusion/Summary	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.

Teratogenicity

Not available.

Conclusion/Summary	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Zero Cal 4-morpholinopropanesulphonic acid	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Section 11. Toxicological information

Aspiration hazard

Not available.

Information on the likely routes of exposure	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.

Potential acute health effects

Eye contact	:	Inner Fill Solution	No known significant effects or critical hazards.
		RCX Reagent	No known significant effects or critical hazards.
		200 Cal Reagent	No known significant effects or critical hazards.
		Zero Cal	No known significant effects or critical hazards.
Inhalation	:	Inner Fill Solution	No known significant effects or critical hazards.
		RCX Reagent	No known significant effects or critical hazards.
		200 Cal Reagent	No known significant effects or critical hazards.
		Zero Cal	No known significant effects or critical hazards.
Skin contact	:	Inner Fill Solution	No known significant effects or critical hazards.
		RCX Reagent	No known significant effects or critical hazards.
		200 Cal Reagent	No known significant effects or critical hazards.
		Zero Cal	No known significant effects or critical hazards.
Ingestion	:	Inner Fill Solution	No known significant effects or critical hazards.
		RCX Reagent	No known significant effects or critical hazards.
		200 Cal Reagent	No known significant effects or critical hazards.
		Zero Cal	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	Inner Fill Solution	No specific data.
		RCX Reagent	No specific data.
		200 Cal Reagent	No specific data.
		Zero Cal	No specific data.
Inhalation	:	Inner Fill Solution	No specific data.
		RCX Reagent	No specific data.
		200 Cal Reagent	No specific data.
		Zero Cal	No specific data.
Skin contact	:	Inner Fill Solution	No specific data.
		RCX Reagent	No specific data.
		200 Cal Reagent	No specific data.
		Zero Cal	No specific data.
Ingestion	:	Inner Fill Solution	No specific data.
		RCX Reagent	No specific data.
		200 Cal Reagent	No specific data.
		Zero Cal	No specific data.

Section 11. Toxicological information

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

Short term exposure

Potential immediate effects	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.
Potential delayed effects	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.

Long term exposure

Potential immediate effects	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.
Potential delayed effects	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.

Potential chronic health effects

Not available.

Conclusion/Summary	:	Not available.	Inner Fill Solution
		Not available.	RCX Reagent
		Not available.	200 Cal Reagent
		Not available.	Zero Cal

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Interactive effects	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.
Other information	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.

Section 12. Ecological information

Toxicity

Not available.

Conclusion/Summary	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.

Persistence and degradability

Section 12. Ecological information

Conclusion/Summary	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{OC})	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.
Mobility	:	Inner Fill Solution	Not available.
		RCX Reagent	Not available.
		200 Cal Reagent	Not available.
		Zero Cal	Not available.

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

Section 13. Disposal considerations

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

Section 14. Transport information

DOT Classification

UN number	Inner Fill Solution	Not regulated.
	RCX Reagent	Not regulated.
	200 Cal Reagent	Not regulated.
	Zero Cal	Not regulated.
UN proper shipping name	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-
Transport hazard class(es)	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-
Packing group	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-
Environmental hazards	Inner Fill Solution	No.
	RCX Reagent	No.
	200 Cal Reagent	No.
	Zero Cal	No.

Section 14. Transport information

Additional information	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-

TDG Classification

UN number	Inner Fill Solution	Not regulated.
	RCX Reagent	Not regulated.
	200 Cal Reagent	Not regulated.
	Zero Cal	Not regulated.
UN proper shipping name	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-
Transport hazard class(es)	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-
Packing group	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-
Environmental hazards	Inner Fill Solution	No.
	RCX Reagent	No.
	200 Cal Reagent	No.
	Zero Cal	No.
Additional information	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-

ADR/RID

UN number	Inner Fill Solution	Not regulated.
	RCX Reagent	Not regulated.
	200 Cal Reagent	Not regulated.
	Zero Cal	Not regulated.
UN proper shipping name	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-
Transport hazard class(es)	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-
Packing group	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-

Section 14. Transport information

Environmental hazards	Inner Fill Solution	No.
	RCX Reagent	No.
	200 Cal Reagent	No.
	Zero Cal	No.
Additional information	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-

IMDG

UN number	Inner Fill Solution	Not regulated.
	RCX Reagent	Not regulated.
	200 Cal Reagent	Not regulated.
	Zero Cal	Not regulated.
UN proper shipping name	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-
Transport hazard class(es)	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-
Packing group	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-
Environmental hazards	Inner Fill Solution	No.
	RCX Reagent	No.
	200 Cal Reagent	No.
	Zero Cal	No.
Additional information	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-

IATA

UN number	Inner Fill Solution	Not regulated.
	RCX Reagent	Not regulated.
	200 Cal Reagent	Not regulated.
	Zero Cal	Not regulated.
UN proper shipping name	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-
Transport hazard class(es)	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-

Section 14. Transport information

Packing group	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-
Environmental hazards	Inner Fill Solution	No.
	RCX Reagent	No.
	200 Cal Reagent	No.
	Zero Cal	No.
Additional information	Inner Fill Solution	-
	RCX Reagent	-
	200 Cal Reagent	-
	Zero Cal	-

Special precautions for user :	Inner Fill Solution	**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.
	RCX 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.
	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.
	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.

Transport in bulk according to Annex II of MARPOL and the IBC Code

Proper shipping name :

Ship type :

Pollution category :

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) PAIR**: 1,1'-oxydipropan-2-ol

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): Not determined.

Clean Water Act (CWA) 307: silver chloride

Clean Water Act (CWA) 311: sodium hydroxide

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

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

Section 15. Regulatory information

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Zero Cal 4-morpholinopropanesulphonic acid	1.046	No.	No.	No.	Yes.	No.

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : None of the components are listed.

International regulations

Chemical Weapons Convention List Schedule I Chemicals	:	Inner Fill Solution	Not listed
		RCX Reagent	Not listed
		200 Cal Reagent	Not listed
		Zero Cal	Not listed
Chemical Weapons Convention List Schedule II Chemicals	:	Inner Fill Solution	Not listed
		RCX Reagent	Not listed
		200 Cal Reagent	Not listed
		Zero Cal	Not listed
Chemical Weapons Convention List Schedule III Chemicals	:	Inner Fill Solution	Not listed
		RCX Reagent	Not listed
		200 Cal Reagent	Not listed
		Zero Cal	Not listed

Section 16. Other information

History

Date of issue/Date of revision : 10/5/2016

Version : 1.05

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Section 16. Other information

Indicates information that has changed from previously issued version.

Notice to reader

Allergen : **Not available.**