Material Safety Data Sheet

SIEMENS

DCA Systems Microalbumin/Creatinine Control Kit MSDS no. 6012

1 . Product and company identification

Product name : DCA Systems Microalbumin/Creatinine Control Kit

Code : 6012A, 06916803

Material uses : Diagnostic Agents

Product type : Liquid.

Manufactured/supplied : Siemens Healthcare Diagnostics Inc.
1717 Deerfield Road
Deerfield, IL 60015-0778
1-847-267-5300

Siemens Healthcare Diagnostics Ltd.
1200 Courtneypark Drive East
Mississauga, Ontario, Canada
L5T-1P2
(905) 564-7333
(800) 264-0083

In case of emergency : Transportation: (800) 424-9300 (CHEMTREC)
Medical: (800) 228-5635 ext. 284 (Prosar)

2 . Hazards identification

Physical state :

DCA Microalbumin/Creatinine High Control	Solid.
DCA Microalbumin/Creatinine Low Control	Solid.
DCA Microalbumin/Creatinine Control Diluent	Liquid.

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Emergency overview : CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.
Contains material that can cause target organ damage.
Potentially biohazardous material.

Potential acute health effects

Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Ingestion : No known significant effects or critical hazards.

Skin : No known significant effects or critical hazards.

Eyes : No known significant effects or critical hazards.

Potential chronic health effects

Chronic effects : Contains material that can cause target organ damage.

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.

2 . Hazards identification

Target organs :

DCA Microalbumin/Creatinine High Control	Contains material which causes damage to the following organs: kidneys. Contains material which may cause damage to the following organs: skin, eyes, stomach.
DCA Microalbumin/Creatinine Low Control	Contains material which causes damage to the following organs: kidneys. Contains material which may cause damage to the following organs: skin, eyes, stomach.
DCA Microalbumin/Creatinine Control Diluent	Not available.

Over-exposure signs/symptoms

Inhalation : No specific data.

Ingestion : No specific data.

Skin : No specific data.

Eyes : No specific data.

See toxicological information (section 11)

3 . Composition/information on ingredients

United States

Name	CAS number	%
DCA Microalbumin/Creatinine High Control		
dipotassium hydrogenorthophosphate	7758-11-4	45.9
sodium chloride	7647-14-5	35.6
DCA Microalbumin/Creatinine Low Control		
dipotassium hydrogenorthophosphate	7758-11-4	51.7
sodium chloride	7647-14-5	40.1
DCA Microalbumin/Creatinine Control Diluent		
Sodium azide	26628-22-8	0.09

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.

4 . First aid measures

Eye contact : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Ingestion : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5 . Fire-fighting measures

Flammability of the product : In a fire or if heated, a pressure increase will occur and the container may burst.

Extinguishing media

In case of fire, use water spray (fog), foam or dry chemical.

Not suitable : None known.

Special exposure hazards : 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.

Hazardous combustion products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
phosphorus oxides
halogenated compounds
metal oxide/oxides

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.

6 . Accidental release measures

Personal precautions : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

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).

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.

7 . Handling and storage

Handling : Put on appropriate personal protective equipment (see section 8). 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. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. 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.

Storage : 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.

8 . Exposure controls/personal protection

Product name	Exposure limits
United States	

8 . Exposure controls/personal protection

DCA Microalbumin/Creatinine Control Diluent

Sodium azide

ACGIH TLV (United States, 2/2010). Notes: as hydrazoic acid vapor
C: 0.11 ppm, (as hydrazoic acid vapor) Form: as Hydrazoic acid vapor
ACGIH TLV (United States, 2/2010).
C: 0.29 mg/m³, (as Sodium azide) Form: as Sodium azide
NIOSH REL (United States, 6/2009). Absorbed through skin. Notes: NAN3
CEIL: 0.3 mg/m³, (NAN3)
NIOSH REL (United States, 6/2009). Absorbed through skin. Notes: as HN3
CEIL: 0.1 ppm, (as HN3)
OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as HN3
CEIL: 0.1 ppm, (as HN3)
OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as NaN3
CEIL: 0.3 mg/m³, (as NaN3)

Consult local authorities for acceptable exposure limits.

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.

Engineering measures : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

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.

Personal protection

Respiratory : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands : 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.

Eyes : 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 or dusts.

Skin : 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.

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.

9 . Physical and chemical properties

Physical state	:	DCA Microalbumin/Creatinine High Control	Solid.
		DCA Microalbumin/Creatinine Low Control	Solid.
		DCA Microalbumin/Creatinine Control Diluent	Liquid.
Flash point	:	DCA Microalbumin/Creatinine High Control	Not available.
		DCA Microalbumin/Creatinine Low Control	Not available.
		DCA Microalbumin/Creatinine Control Diluent	Not available.
Auto-ignition temperature	:	DCA Microalbumin/Creatinine High Control	Not available.
		DCA Microalbumin/Creatinine Low Control	Not available.
		DCA Microalbumin/Creatinine Control Diluent	Not available.
Flammable limits	:	DCA Microalbumin/Creatinine High Control	Not available.
		DCA Microalbumin/Creatinine Low Control	Not available.
		DCA Microalbumin/Creatinine Control Diluent	Not available.
Color	:	DCA Microalbumin/Creatinine High Control	Off-white.
		DCA Microalbumin/Creatinine Low Control	Off-white.
		DCA Microalbumin/Creatinine Control Diluent	Colorless.
Molecular weight	:	DCA Microalbumin/Creatinine High Control	Not applicable.
		DCA Microalbumin/Creatinine Low Control	Not applicable.
		DCA Microalbumin/Creatinine Control Diluent	Not applicable.

9 . Physical and chemical properties

Molecular formula	:	DCA Microalbumin/Creatinine High Control	Not applicable.
		DCA Microalbumin/Creatinine Low Control	Not applicable.
		DCA Microalbumin/Creatinine Control Diluent	Not applicable.
pH	:	DCA Microalbumin/Creatinine High Control	Not applicable.
		DCA Microalbumin/Creatinine Low Control	Not applicable.
		DCA Microalbumin/Creatinine Control Diluent	6.5
Boiling/condensation point	:	DCA Microalbumin/Creatinine High Control	Not available.
		DCA Microalbumin/Creatinine Low Control	Not available.
		DCA Microalbumin/Creatinine Control Diluent	Not available.
Melting/freezing point	:	DCA Microalbumin/Creatinine High Control	Not available.
		DCA Microalbumin/Creatinine Low Control	Not available.
		DCA Microalbumin/Creatinine Control Diluent	Not available.
Relative density	:	DCA Microalbumin/Creatinine High Control	Not available.
		DCA Microalbumin/Creatinine Low Control	Not available.
		DCA Microalbumin/Creatinine Control Diluent	1
Vapor pressure	:	DCA Microalbumin/Creatinine High Control	Not available.
		DCA Microalbumin/Creatinine Low Control	Not available.
		DCA Microalbumin/Creatinine Control Diluent	Not available.

9 . Physical and chemical properties

Volatility	:	DCA Microalbumin/Creatinine High Control	Not available.
		DCA Microalbumin/Creatinine Low Control	Not available.
		DCA Microalbumin/Creatinine Control Diluent	Not available.
Evaporation rate	:	DCA Microalbumin/Creatinine High Control	Not available.
		DCA Microalbumin/Creatinine Low Control	Not available.
		DCA Microalbumin/Creatinine Control Diluent	Not available.
VOC	:	0 % (w/w)	
Viscosity	:	DCA Microalbumin/Creatinine High Control	Not available.
		DCA Microalbumin/Creatinine Low Control	Not available.
		DCA Microalbumin/Creatinine Control Diluent	Not available.

10 . Stability and reactivity

Stability : The product is stable.

Conditions to avoid : No specific data.

Materials to avoid : No specific data.

Not available.

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

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions of reactivity

Flammability : Non-flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.

:

11 . Toxicological information

United States

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
DCA Microalbumin/Creatinine High Control				
sodium chloride	LD50 Intraperitoneal	Rat	2600 mg/kg	-
	LD50 Oral	Rat	3000 mg/kg	-
	LDLo Intraperitoneal	Rat	3.72 g/kg	-
	LDLo Subcutaneous	Rat - Male	3500 mg/kg	-

11 . Toxicological information

	TDLo Oral	Rat	1.43 mg/kg	-
DCA Microalbumin/Creatinine Low Control				
sodium chloride	LD50 Intraperitoneal	Rat	2600 mg/kg	-
	LD50 Oral	Rat	3000 mg/kg	-
	LDLo Intraperitoneal	Rat	3.72 g/kg	-
	LDLo Subcutaneous	Rat - Male	3500 mg/kg	-
	TDLo Oral	Rat	1.43 mg/kg	-
DCA Microalbumin/Creatinine Control Diluent				
Sodium azide	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Intratracheal	Rat	47.5 mg/kg	-
	LD50 Intratracheal	Rat	47500 ug/kg	-
	LD50 Oral	Rat	27 mg/kg	-
	LD50 Subcutaneous	Rat	45 mg/kg	-
	LD50 Subcutaneous	Rat	45100 ug/kg	-
	LDLo Intraperitoneal	Rat	30 mg/kg	-
	LDLo Intraperitoneal	Rat	3 mg/kg	-

Chronic toxicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
DCA Microalbumin/Creatinine High Control						
sodium chloride	-	-	-	None.	-	-
DCA Microalbumin/Creatinine Low Control						
sodium chloride	-	-	-	None.	-	-
DCA Microalbumin/Creatinine Control Diluent						
Sodium azide	A4	-	-	None.	-	-

Mutagenicity

Not available.

Teratogenicity

Not available.

Reproductive toxicity

Not available.

Canada

11 . Toxicological information

Acute toxicity

Not available.

Chronic toxicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
DCA Microalbumin/Creatinine High Control						
sodium chloride	-	-	-	None.	-	-
DCA Microalbumin/Creatinine Low Control						
sodium chloride	-	-	-	None.	-	-
DCA Microalbumin/Creatinine Control Diluent						
Sodium azide	A4	-	-	None.	-	-

Mutagenicity

Not available.

Teratogenicity

Not available.

Reproductive toxicity

Not available.

12 . Ecological information

Environmental effects : No known significant effects or critical hazards.

United States

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
DCA Microalbumin/Creatinine High Control				
sodium chloride	-	Acute EC50 402600 to 469200 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	-	Acute LC50 2 g/L Fresh water	Daphnia - Water flea - Daphnia ambigua - Neonate	48 hours
	-	Acute LC50 1.59 g/L Fresh water	Daphnia - Water flea - Ceriodaphnia dubia - Neonate	48 hours
	-	Acute LC50 1.47 to 1.57 g/L Fresh water	Daphnia - Water flea - Daphnia pulex	48 hours
	-	Acute LC50 1.1 to 1.4 g/L Fresh water	Daphnia - Water flea - Daphnia pulex - Neonate - <24 hours	48 hours
	-	Acute LC50 2000 to 2500 mg/L Fresh water	Daphnia - Water flea - Ceriodaphnia	48 hours

12 . Ecological information

			dubia	
	-	Acute LC50 1661 mg/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	-	Acute LC50 1042 mg/L Fresh water	Daphnia - Water flea - Ceriodaphnia dubia - <24 hours	48 hours
	-	Acute LC50 >10000 ppm Fresh water	Crustaceans - Aquatic sowbug - Asellus communis	48 hours
	-	Acute LC50 >5600 ppm Fresh water	Crustaceans - Aquatic sowbug - Asellus communis	48 hours
	-	Acute LC50 1000 ppm Fresh water	Fish - Striped bass - Morone saxatilis - LARVAE - 1 weeks	96 hours
	-	Acute LC50 16500000 to 33000000 ug/L Marine water	Crustaceans - Common shrimp, sand shrimp - Crangon crangon - Adult	48 hours
	-	Acute LC50 5000000 ug/L Fresh water	Fish - Striped bass - Morone saxatilis - Fingerling	96 hours
	-	Acute LC50 1960000 to 2330000 ug/L Fresh water	Daphnia - Water flea - Ceriodaphnia dubia - <24 hours	48 hours
	-	Acute LC50 1294600 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 5 to 9 cm - 1 to 9 g	96 hours
	-	Acute LC50 1000000 ug/L Fresh water	Fish - Striped bass - Morone saxatilis - LARVAE	96 hours
DCA Microalbumin/Creatinine Low Control				
sodium chloride	-	Acute EC50 402600 to 469200 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	-	Acute LC50 2 g/L Fresh water	Daphnia - Water flea - Daphnia ambigua - Neonate	48 hours
	-	Acute LC50 1.59 g/L Fresh water	Daphnia - Water flea - Ceriodaphnia dubia - Neonate	48 hours
	-	Acute LC50 1.47 to 1.57 g/L Fresh water	Daphnia - Water flea - Daphnia pulex	48 hours
	-	Acute LC50 1.1 to	Daphnia - Water	48 hours

12 . Ecological information

		1.4 g/L Fresh water	flea - Daphnia pulex - Neonate - <24 hours	
	-	Acute LC50 2000 to 2500 mg/L Fresh water	Daphnia - Water flea - Ceriodaphnia dubia	48 hours
	-	Acute LC50 1661 mg/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	-	Acute LC50 1042 mg/L Fresh water	Daphnia - Water flea - Ceriodaphnia dubia - <24 hours	48 hours
	-	Acute LC50 >10000 ppm Fresh water	Crustaceans - Aquatic sowbug - Asellus communis	48 hours
	-	Acute LC50 >5600 ppm Fresh water	Crustaceans - Aquatic sowbug - Asellus communis	48 hours
	-	Acute LC50 1000 ppm Fresh water	Fish - Striped bass - Morone saxatilis - LARVAE - 1 weeks	96 hours
	-	Acute LC50 16500000 to 33000000 ug/L Marine water	Crustaceans - Common shrimp, sand shrimp - Crangon crangon - Adult	48 hours
	-	Acute LC50 5000000 ug/L Fresh water	Fish - Striped bass - Morone saxatilis - Fingerling	96 hours
	-	Acute LC50 1960000 to 2330000 ug/L Fresh water	Daphnia - Water flea - Ceriodaphnia dubia - <24 hours	48 hours
	-	Acute LC50 1294600 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 5 to 9 cm - 1 to 9 g	96 hours
	-	Acute LC50 1000000 ug/L Fresh water	Fish - Striped bass - Morone saxatilis - LARVAE	96 hours
DCA Microalbumin/Creatinine Control Diluent				
Sodium azide	-	Acute EC50 6.4 to 8.9 mg/L Fresh water	Crustaceans - Water flea - Simocephalus serrulatus - LARVAE	48 hours
	-	Acute EC50 4.2 to 6.2 mg/L Fresh water	Daphnia - Water flea - Daphnia pulex - LARVAE	48 hours
	-	Acute LC50 0.8 mg/L Fresh water	Fish - Rainbow trout,donaldson	96 hours

12 . Ecological information

			trout - Oncorhynchus mykiss - 1.4 g	
	-	Acute LC50 0.68 mg/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 0.6 g	96 hours
	-	Acute LC50 5460 to 5870 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas - 30 days - 18.8 mm - 0.098 g	96 hours
	-	Acute LC50 3920 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 8.57 cm - 7.84 g	96 hours
	-	Acute LC50 2840 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 7.87 cm - 6.07 g	96 hours
	-	Acute LC50 2750 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 7.32 cm - 4.76 g	96 hours

Biodegradability

Not available.

Canada

Aquatic ecotoxicity

Not available.

Biodegradability

Not available.

13 . Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Not available.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14 . Transport information

International transport regulations

DOT Classification

UN number	DCA Microalbumin/Creatinine High Control	Not regulated.
	DCA Microalbumin/Creatinine Low Control	Not regulated.
	DCA Microalbumin/Creatinine Control Diluent	Not regulated.
Proper shipping name	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
Classes	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
PG*	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
Label		
Additional information	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-

TDG Classification

UN number	DCA Microalbumin/Creatinine High Control	Not regulated.
	DCA Microalbumin/Creatinine Low Control	Not regulated.
	DCA Microalbumin/Creatinine Control Diluent	Not regulated.
Proper shipping name	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
Classes	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
PG*	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
Label		
Additional information	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-

Mexico Classification

UN number	DCA Microalbumin/Creatinine High Control	Not regulated.
	DCA Microalbumin/Creatinine Low Control	Not regulated.
	DCA Microalbumin/Creatinine Control Diluent	Not regulated.
Proper shipping name	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
Classes	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
PG*	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
Label		

14 . Transport information

Additional information	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-

IMDG Class

UN number	DCA Microalbumin/Creatinine High Control	Not regulated.
	DCA Microalbumin/Creatinine Low Control	Not regulated.
	DCA Microalbumin/Creatinine Control Diluent	Not regulated.
Proper shipping name	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
Classes	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
PG*	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
Label		
Additional information	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-

IATA-DGR Class

UN number	DCA Microalbumin/Creatinine High Control	Not regulated.
	DCA Microalbumin/Creatinine Low Control	Not regulated.
	DCA Microalbumin/Creatinine Control Diluent	Not regulated.
Proper shipping name	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
Classes	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
PG*	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
Label		
Additional information	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-

PG* : Packing group

14 . Transport information

15 . Regulatory information

United States

HCS Classification : Target organ effects

U.S. Federal regulations : **TSCA 8(a) IUR**: water
United States inventory (TSCA 8b): Not determined.

SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: sodium chloride
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: sodium chloride: Immediate (acute) health hazard, Delayed (chronic) health hazard

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations : **Connecticut Carcinogen Reporting**: None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: None of the components are listed.
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey Hazardous Substances: None of the components are listed.
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: None of the components are listed.
New York Toxic Chemical Release Reporting: None of the components are listed.
Pennsylvania RTK Hazardous Substances: None of the components are listed.
Rhode Island Hazardous Substances: None of the components are listed.

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

Use only for medical diagnostic (R&D) purposes

Canada

WHMIS (Canada) : Not controlled under WHMIS (Canada).

Canadian lists : **CEPA Toxic substances**: None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: None of the components are listed.
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

15 . Regulatory information

Canada inventory : Not determined.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16 . Other information

EU regulations

Risk phrases : This product is not classified according to EU legislation.

International regulations

International lists : **Australia inventory (AICS)**: Not determined.
China inventory (IECSC): Not determined.
Japan inventory: Not determined.
Korea inventory: Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.

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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
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.