

# SAFETY DATA SHEET

DCA Systems Microalbumin/Creatinine Control Kit

SDS #: 6012

## Section 1. Identification

**Product identifier** : DCA Systems Microalbumin/Creatinine Control Kit  
**Product code** : 6012A, 06916803, 10325406  
**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

<b>OSHA/HCS status</b>	: DCA Microalbumin/Creatinine High Control	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.
	DCA Microalbumin/Creatinine Low Control	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.
	DCA Microalbumin/Creatinine Control Diluent	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.
<b>Classification of the substance or mixture</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	Not classified. Not classified. Not classified.
<b>Additional information</b>	: Potentially biohazardous material.	
	Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.	

### GHS label elements

## Section 2. Hazards identification

<b>Signal word</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	No signal word. No signal word. No signal word.
<b>Hazard statements</b>	: DCA Microalbumin/Creatinine High Control  DCA Microalbumin/Creatinine Low Control  DCA Microalbumin/Creatinine Control Diluent	No known significant effects or critical hazards.  No known significant effects or critical hazards.  No known significant effects or critical hazards.
<b><u>Precautionary statements</u></b>		
<b>Prevention</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	Not applicable. Not applicable. Not applicable.
<b>Response</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	Not applicable. Not applicable. Not applicable.
<b>Storage</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	Not applicable. Not applicable. Not applicable.
<b>Disposal</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	Not applicable. Not applicable. Not applicable.
<b>Supplemental label elements</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	None known. None known. None known.
<b>Hazards not otherwise classified</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	None known. None known. None known.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	Mixture Mixture Mixture
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Ingredient name	%	CAS number
DCA Microalbumin/Creatinine Control Diluent sodium azide	0.09	26628-22-8

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

**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

<b>Eye contact</b>	: DCA Microalbumin/Creatinine High Control	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.
	DCA Microalbumin/Creatinine Low Control	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.
	DCA Microalbumin/Creatinine Control Diluent	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.
<b>Inhalation</b>	: DCA Microalbumin/Creatinine High Control	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.
	DCA Microalbumin/Creatinine Low Control	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.
	DCA Microalbumin/Creatinine Control Diluent	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	: DCA Microalbumin/Creatinine High Control	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	DCA Microalbumin/Creatinine Low Control	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	DCA Microalbumin/Creatinine Control Diluent	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	: DCA Microalbumin/Creatinine High Control	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.
	DCA Microalbumin/Creatinine Low Control	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

## Section 4. First aid measures

DCA Microalbumin/Creatinine Control Diluent

medical personnel. Get medical attention if symptoms occur.

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

<b>Eye contact</b>	: DCA Microalbumin/Creatinine High Control	No known significant effects or critical hazards.
	DCA Microalbumin/Creatinine Low Control	No known significant effects or critical hazards.
	DCA Microalbumin/Creatinine Control Diluent	No known significant effects or critical hazards.
<b>Inhalation</b>	: DCA Microalbumin/Creatinine High Control	No known significant effects or critical hazards.
	DCA Microalbumin/Creatinine Low Control	No known significant effects or critical hazards.
	DCA Microalbumin/Creatinine Control Diluent	No known significant effects or critical hazards.
<b>Skin contact</b>	: DCA Microalbumin/Creatinine High Control	No known significant effects or critical hazards.
	DCA Microalbumin/Creatinine Low Control	No known significant effects or critical hazards.
	DCA Microalbumin/Creatinine Control Diluent	No known significant effects or critical hazards.
<b>Ingestion</b>	: DCA Microalbumin/Creatinine High Control	No known significant effects or critical hazards.
	DCA Microalbumin/Creatinine Low Control	No known significant effects or critical hazards.
	DCA Microalbumin/Creatinine Control Diluent	No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

<b>Eye contact</b>	: DCA Microalbumin/Creatinine High Control	No specific data.
	DCA Microalbumin/Creatinine Low Control	No specific data.
	DCA Microalbumin/Creatinine Control Diluent	No specific data.
<b>Inhalation</b>	: DCA Microalbumin/Creatinine High Control	No specific data.
	DCA Microalbumin/Creatinine Low Control	No specific data.
	DCA Microalbumin/Creatinine Control Diluent	No specific data.
<b>Skin contact</b>	: DCA Microalbumin/Creatinine High Control	No specific data.
	DCA Microalbumin/Creatinine Low Control	No specific data.
	DCA Microalbumin/Creatinine Control Diluent	No specific data.
<b>Ingestion</b>	: DCA Microalbumin/Creatinine High Control	No specific data.
	DCA Microalbumin/Creatinine Low Control	No specific data.
	DCA Microalbumin/Creatinine Control Diluent	No specific data.

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

**Notes to physician** : 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

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

**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

Ingredient name	Exposure limits
DCA Microalbumin/Creatinine Control Diluent sodium azide	<p><b>ACGIH TLV (United States, 3/2015). Notes: as hydrazoic acid vapor</b> C: 0.11 ppm, (as Hydrazoic acid vapor) Form: as Hydrazoic acid vapor</p> <p><b>ACGIH TLV (United States, 3/2015).</b> C: 0.29 mg/m<sup>3</sup>, (as Sodium azide) Form: as Sodium azide</p> <p><b>NIOSH REL (United States, 10/2013). Absorbed through skin. Notes: NAN3</b> CEIL: 0.3 mg/m<sup>3</sup>, (NAN3)</p> <p><b>NIOSH REL (United States, 10/2013). Absorbed through skin. Notes: as HN3</b> CEIL: 0.1 ppm, (as HN3)</p> <p><b>OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as HN3</b> CEIL: 0.1 ppm, (as HN3)</p> <p><b>OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as NaN3</b> CEIL: 0.3 mg/m<sup>3</sup>, (as NaN3)</p>

- 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

- 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

## Section 8. Exposure controls/personal 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** : DCA Microalbumin/Creatinine High Control Solid.  
DCA Microalbumin/Creatinine Low Control Solid.  
DCA Microalbumin/Creatinine Control Liquid.  
Diluent
- Color** : DCA Microalbumin/Creatinine High Control Off-white.  
DCA Microalbumin/Creatinine Low Control Off-white.  
DCA Microalbumin/Creatinine Control Colorless.  
Diluent
- Odor** : DCA Microalbumin/Creatinine High Control Odorless.  
DCA Microalbumin/Creatinine Low Control Odorless.  
DCA Microalbumin/Creatinine Control Odorless.  
Diluent
- pH** : DCA Microalbumin/Creatinine High Control Not applicable.  
DCA Microalbumin/Creatinine Low Control Not applicable.  
DCA Microalbumin/Creatinine Control 6.5  
Diluent
- Flash point** : DCA Microalbumin/Creatinine High Control Not available.  
DCA Microalbumin/Creatinine Low Control Not available.  
DCA Microalbumin/Creatinine Control Not available.  
Diluent
- Flammability (solid, gas)** : DCA Microalbumin/Creatinine High Control Not relevant/applicable due to nature of the product.  
DCA Microalbumin/Creatinine Low Control Not relevant/applicable due to nature of the product.  
DCA Microalbumin/Creatinine Control Not relevant/applicable due to nature of the product.  
Diluent
- Relative density** : DCA Microalbumin/Creatinine High Control Not relevant/applicable due to nature of the product.  
DCA Microalbumin/Creatinine Low Control Not relevant/applicable due to nature of the product.  
DCA Microalbumin/Creatinine Control 1  
Diluent
- Solubility in water** : DCA Microalbumin/Creatinine High Control Not relevant/applicable due to nature of the product.  
DCA Microalbumin/Creatinine Low Control Not relevant/applicable due to nature of the product.  
DCA Microalbumin/Creatinine Control Not relevant/applicable due to nature of the product.  
Diluent
- Partition coefficient: n-octanol/water** : DCA Microalbumin/Creatinine High Control Not available.  
DCA Microalbumin/Creatinine Low Control Not available.  
DCA Microalbumin/Creatinine Control Not available.  
Diluent
- Auto-ignition temperature** : DCA Microalbumin/Creatinine High Control Not available.  
DCA Microalbumin/Creatinine Low Control Not available.  
DCA Microalbumin/Creatinine Control Not available.  
Diluent

## Section 9. Physical and chemical properties

**Viscosity** : DCA Microalbumin/Creatinine High Control Not available.  
 DCA Microalbumin/Creatinine Low Control Not available.  
 DCA Microalbumin/Creatinine Control Not available.  
 Diluent

### Aerosol product

**Type of aerosol** : DCA Microalbumin/Creatinine High Control Not applicable.  
 DCA Microalbumin/Creatinine Low Control Not applicable.  
 DCA Microalbumin/Creatinine Control Not applicable.  
 Diluent

## Section 10. Stability and reactivity

**Reactivity** : DCA Microalbumin/Creatinine High Control No specific test data related to reactivity available for this product or its ingredients.  
 DCA Microalbumin/Creatinine Low Control No specific test data related to reactivity available for this product or its ingredients.  
 DCA Microalbumin/Creatinine Control No specific test data related to reactivity available for this product or its ingredients.  
 Diluent

**Chemical stability** : DCA Microalbumin/Creatinine High Control The product is stable.  
 DCA Microalbumin/Creatinine Low Control The product is stable.  
 DCA Microalbumin/Creatinine Control The product is stable.  
 Diluent

**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

Product/ingredient name	Result	Species	Dose	Exposure
DCA Microalbumin/ Creatinine Control Diluent sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-

**Conclusion/Summary** : DCA Microalbumin/Creatinine High Control Not available.  
 DCA Microalbumin/Creatinine Low Control Not available.  
 DCA Microalbumin/Creatinine Control Not available.  
 Diluent

#### Irritation/Corrosion

Not available.

#### Conclusion/Summary

**Skin** : DCA Microalbumin/Creatinine High Control Not available.  
 DCA Microalbumin/Creatinine Low Control Not available.  
 DCA Microalbumin/Creatinine Control Not available.  
 Diluent

## Section 11. Toxicological information

**Eyes** : DCA Microalbumin/Creatinine High Control Not available.  
 DCA Microalbumin/Creatinine Low Control Not available.  
 DCA Microalbumin/Creatinine Control Not available.  
 Diluent

**Respiratory** : DCA Microalbumin/Creatinine High Control Not available.  
 DCA Microalbumin/Creatinine Low Control Not available.  
 DCA Microalbumin/Creatinine Control Not available.  
 Diluent

### Sensitization

Not available.

### Conclusion/Summary

**Skin** : DCA Microalbumin/Creatinine High Control Not available.  
 DCA Microalbumin/Creatinine Low Control Not available.  
 DCA Microalbumin/Creatinine Control Not available.  
 Diluent

**Respiratory** : DCA Microalbumin/Creatinine High Control Not available.  
 DCA Microalbumin/Creatinine Low Control Not available.  
 DCA Microalbumin/Creatinine Control Not available.  
 Diluent

### Mutagenicity

Not available.

**Conclusion/Summary** : DCA Microalbumin/Creatinine High Control Not available.  
 DCA Microalbumin/Creatinine Low Control Not available.  
 DCA Microalbumin/Creatinine Control Not available.  
 Diluent

### Carcinogenicity

Not available.

**Conclusion/Summary** : DCA Microalbumin/Creatinine High Control Not available.  
 DCA Microalbumin/Creatinine Low Control Not available.  
 DCA Microalbumin/Creatinine Control Not available.  
 Diluent

### Reproductive toxicity

Not available.

**Conclusion/Summary** : DCA Microalbumin/Creatinine High Control Not available.  
 DCA Microalbumin/Creatinine Low Control Not available.  
 DCA Microalbumin/Creatinine Control Not available.  
 Diluent

### Teratogenicity

Not available.

**Conclusion/Summary** : DCA Microalbumin/Creatinine High Control Not available.  
 DCA Microalbumin/Creatinine Low Control Not available.  
 DCA Microalbumin/Creatinine Control Not available.  
 Diluent

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

## Section 11. Toxicological information

<b>Information on the likely routes of exposure</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	Not available. Not available. Not available.
<b>Potential acute health effects</b>		
<b>Eye contact</b>	: DCA Microalbumin/Creatinine High Control  DCA Microalbumin/Creatinine Low Control  DCA Microalbumin/Creatinine Control Diluent	No known significant effects or critical hazards.  No known significant effects or critical hazards.  No known significant effects or critical hazards.
<b>Inhalation</b>	: DCA Microalbumin/Creatinine High Control  DCA Microalbumin/Creatinine Low Control  DCA Microalbumin/Creatinine Control Diluent	No known significant effects or critical hazards.  No known significant effects or critical hazards.  No known significant effects or critical hazards.
<b>Skin contact</b>	: DCA Microalbumin/Creatinine High Control  DCA Microalbumin/Creatinine Low Control  DCA Microalbumin/Creatinine Control Diluent	No known significant effects or critical hazards.  No known significant effects or critical hazards.  No known significant effects or critical hazards.
<b>Ingestion</b>	: DCA Microalbumin/Creatinine High Control  DCA Microalbumin/Creatinine Low Control  DCA Microalbumin/Creatinine Control Diluent	No known significant effects or critical hazards.  No known significant effects or critical hazards.  No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Eye contact</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	No specific data. No specific data. No specific data.
<b>Inhalation</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	No specific data. No specific data. No specific data.
<b>Skin contact</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	No specific data. No specific data. No specific data.
<b>Ingestion</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	No specific data. No specific data. No specific data.

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

#### Short term exposure

<b>Potential immediate effects</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	Not available. Not available. Not available.
<b>Potential delayed effects</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	Not available. Not available. Not available.

#### Long term exposure

## Section 11. Toxicological information

<b>Potential immediate effects</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	Not available. Not available. Not available.
<b>Potential delayed effects</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	Not available. Not available. Not available.

### Potential chronic health effects

Not available.

<b>Conclusion/Summary</b>	: Not available. Not available. Not available.	DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent
<b>General</b>	: No known significant effects or critical hazards.	
<b>Carcinogenicity</b>	: No known significant effects or critical hazards.	
<b>Mutagenicity</b>	: No known significant effects or critical hazards.	
<b>Teratogenicity</b>	: No known significant effects or critical hazards.	
<b>Developmental effects</b>	: No known significant effects or critical hazards.	
<b>Fertility effects</b>	: No known significant effects or critical hazards.	

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
<b>DCA Microalbumin/Creatinine High Control</b> Oral	8427.8 mg/kg
<b>DCA Microalbumin/Creatinine Low Control</b> Oral	7481.3 mg/kg

<b>Interactive effects</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	Not available. Not available. Not available.
<b>Other information</b>	: DCA Microalbumin/Creatinine High Control DCA Microalbumin/Creatinine Low Control DCA Microalbumin/Creatinine Control Diluent	Not available. Not available. Not available.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
<b>DCA Microalbumin/ Creatinine Control Diluent</b> sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 4.2 to 6.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 9000 µg/l Fresh water	Crustaceans - Gammarus lacustris	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocyctis pyrifera	96 hours

## Section 12. Ecological information

<b>Conclusion/Summary</b>	:	DCA Microalbumin/Creatinine High Control	Not available.
		DCA Microalbumin/Creatinine Low Control	Not available.
		DCA Microalbumin/Creatinine Control	Not available.
		Diluent	

### Persistence and degradability

<b>Conclusion/Summary</b>	:	DCA Microalbumin/Creatinine High Control	Not available.
		DCA Microalbumin/Creatinine Low Control	Not available.
		DCA Microalbumin/Creatinine Control	Not available.
		Diluent	

### Bioaccumulative potential

Not available.

### Mobility in soil

<b>Soil/water partition coefficient (K<sub>oc</sub>)</b>	:	DCA Microalbumin/Creatinine High Control	Not available.
		DCA Microalbumin/Creatinine Low Control	Not available.
		DCA Microalbumin/Creatinine Control	Not available.
		Diluent	

<b>Mobility</b>	:	DCA Microalbumin/Creatinine High Control	Not available.
		DCA Microalbumin/Creatinine Low Control	Not available.
		DCA Microalbumin/Creatinine Control	Not available.
		Diluent	

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

## Section 13. Disposal considerations

<b>Disposal methods</b>	:	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. Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.
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## Section 14. Transport information

### **DOT Classification**

<b>UN number</b>	DCA Microalbumin/Creatinine High Control	Not regulated.
	DCA Microalbumin/Creatinine Low Control	Not regulated.
	DCA Microalbumin/Creatinine Control Diluent	Not regulated.
<b>UN proper shipping name</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
<b>Transport hazard class(es)</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-

## Section 14. Transport information

<b>Packing group</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
<b>Environmental hazards</b>	DCA Microalbumin/Creatinine High Control	No.
	DCA Microalbumin/Creatinine Low Control	No.
	DCA Microalbumin/Creatinine Control Diluent	No.
<b>Additional information</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-

### TDG Classification

<b>UN number</b>	DCA Microalbumin/Creatinine High Control	Not regulated.
	DCA Microalbumin/Creatinine Low Control	Not regulated.
	DCA Microalbumin/Creatinine Control Diluent	Not regulated.
<b>UN proper shipping name</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
<b>Transport hazard class(es)</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-

<b>Packing group</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
<b>Environmental hazards</b>	DCA Microalbumin/Creatinine High Control	No.
	DCA Microalbumin/Creatinine Low Control	No.
	DCA Microalbumin/Creatinine Control Diluent	No.
<b>Additional information</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-

### ADR/RID

<b>UN number</b>	DCA Microalbumin/Creatinine High Control	Not regulated.
	DCA Microalbumin/Creatinine Low Control	Not regulated.
	DCA Microalbumin/Creatinine Control Diluent	Not regulated.
<b>UN proper shipping name</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
<b>Transport hazard class(es)</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-

<b>Packing group</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
<b>Environmental hazards</b>	DCA Microalbumin/Creatinine High Control	No.
	DCA Microalbumin/Creatinine Low Control	No.
	DCA Microalbumin/Creatinine Control Diluent	No.
<b>Additional information</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-

## Section 14. Transport information

### IMDG

<b>UN number</b>	DCA Microalbumin/Creatinine High Control	Not regulated.
	DCA Microalbumin/Creatinine Low Control	Not regulated.
	DCA Microalbumin/Creatinine Control Diluent	Not regulated.
<b>UN proper shipping name</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
<b>Transport hazard class(es)</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
<b>Packing group</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
<b>Environmental hazards</b>	DCA Microalbumin/Creatinine High Control	No.
	DCA Microalbumin/Creatinine Low Control	No.
	DCA Microalbumin/Creatinine Control Diluent	No.
<b>Additional information</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-

### IATA

<b>UN number</b>	DCA Microalbumin/Creatinine High Control	Not regulated.
	DCA Microalbumin/Creatinine Low Control	Not regulated.
	DCA Microalbumin/Creatinine Control Diluent	Not regulated.
<b>UN proper shipping name</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
<b>Transport hazard class(es)</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
<b>Packing group</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-
<b>Environmental hazards</b>	DCA Microalbumin/Creatinine High Control	No.
	DCA Microalbumin/Creatinine Low Control	No.
	DCA Microalbumin/Creatinine Control Diluent	No.
<b>Additional information</b>	DCA Microalbumin/Creatinine High Control	-
	DCA Microalbumin/Creatinine Low Control	-
	DCA Microalbumin/Creatinine Control Diluent	-

**Special precautions for user** : DCA Microalbumin/Creatinine High Control **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.

DCA Microalbumin/Creatinine Low Control **Transport within user's premises:** always transport in closed containers that are

## Section 14. Transport information

DCA Microalbumin/Creatinine Control  
Diluent

upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**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) CDR Exempt/Partial exemption: Not determined  
United States inventory (TSCA 8b): Not determined.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

### SARA 302/304

#### Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
DCA Microalbumin/Creatinine Control Diluent sodium azide	0.09	Yes.	500	-	1000	-

**SARA 304 RQ** : 3333333.3 lbs / 1513333.3 kg

### 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
DCA Microalbumin/Creatinine Control Diluent sodium azide	0.09	No.	No.	No.	Yes.	No.

### State regulations

**Massachusetts** : None of the components are listed.

## Section 15. Regulatory information

<b>New York</b>	: None of the components are listed.
<b>New Jersey</b>	: None of the components are listed.
<b>Pennsylvania</b>	: None of the components are listed.

### International regulations

<b>Chemical Weapons Convention List Schedule I Chemicals</b>	: DCA Microalbumin/Creatinine High Control	Not listed
	DCA Microalbumin/Creatinine Low Control	Not listed
	DCA Microalbumin/Creatinine Control Diluent	Not listed
<b>Chemical Weapons Convention List Schedule II Chemicals</b>	: DCA Microalbumin/Creatinine High Control	Not listed
	DCA Microalbumin/Creatinine Low Control	Not listed
	DCA Microalbumin/Creatinine Control Diluent	Not listed
<b>Chemical Weapons Convention List Schedule III Chemicals</b>	: DCA Microalbumin/Creatinine High Control	Not listed
	DCA Microalbumin/Creatinine Low Control	Not listed
	DCA Microalbumin/Creatinine Control Diluent	Not listed

## Section 16. Other information

### History

**Date of issue/Date of revision** : 5/12/2017

**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

✔ Indicates information that has changed from previously issued version.

### Notice to reader

**Allergen** :