



# Safety Data Sheet

CAP HPVDT STM SDS

SDS-OEM-CAP-HPVD

Rev. Number: 4

Rev. Date: Jan 18, 2017

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Description:	Product Code
CAP HPVDT STM Surveys	2600-0086 (501764) 2600-0087 (501765) 2600-0231, 2900-0252 2600-0251 – 2600-0255 2600-0271 – 2600-0275 2600-0291 – 2600-0295

### Hazardous Reagent

Product Description listed above

### Hazardous Reagent Product code

Catalog No. listed above

### Recommended Use:

Reference Reagent

### Contact Manufacturer:

SeraCare Life Sciences  
37 Birch Street  
Milford, MA 01757

**Phone #:** (508) 244-6400  
US Toll Free: (800) 676-1881

**Fax #:** (508) 634-3394

**Web:** [www.seracare.com](http://www.seracare.com)

**Email:** [customerservice@seracare.com](mailto:customerservice@seracare.com)

### Emergency Telephone Numbers:

AUSTRALIA – POISONS INFORMATION CENTER

Telephone: 13 11 26 - Hours: 24 hours

CANADIAN TRANSPORT EMERGENCY CENTER

Telephone: (1 ) 613 996 6666 - Hours: 24 hours/day, 7 days/week

UK – THE NATIONAL FOCUS

Telephone: (44) 029 2041 6388 - Hours: 09:00-17:00 GMT

USA - NATIONAL RESPONSE CENTER

Telephone: (1 ) 800 424 8802 - Hours: 24 hours/day, 7 days/week

### CHEMTREC:

CHEMTREC Customer Number:- CCN12505\*  
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300 CCN12505 or  
+1 703-527-3887 (collect calls accepted)

## 2. HAZARD IDENTIFICATION

### Hazard Type

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS): The product contains no substances which at their given concentration, are considered to be hazardous to health or the environment.

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)****GHS Classification**

Not Applicable:

The product contains no substances which at their given concentration, are considered to be hazardous to health or the environment as per: GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

In accordance Regulation (EC) No 1272/2008, this product is not classified.

**Hazard Statements:** Not applicable

**Precautionary Statements:** Not applicable

**Symbols and Indications of Danger:** Not applicable

**Principle Route of Exposure:** Not Applicable

**Acute Effects: Eye** May cause redness and irritation

**Acute Effects: Skin:** Dry skin and Irritation may occur

**Acute Effects: Inhalation:** May be harmful if inhaled in very large quantities.

**Acute Effects: Ingestion:** May be harmful if swallowed.

**Chronic Effects:** Not Available

**Additional Information:** Not Available

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>CHEMICAL</u>	<u>% Weight</u>	<u>CAS #:</u>	<u>Classification according to EC No. 1272/2008 and GHS - US</u>
Survey	Guanidine hydrochloride	>5 - 10%	50-01-1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
	Sodium Azide	<0.1%	26628-22-8	Acute Tox. 2 (Oral), H300 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
	Proprietary Buffer	85 – 90%	Not Applicable	N/A
	Cellular DNA	< 1%	Not Applicable	N/A

Full text of H-phrases: see section 16

**4. FIRST AID MEASURES**

**General Advice:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

**Oral Exposure:** Do not induce vomiting. Rinse mouth. Obtain medical attention.

**Inhalation Exposure:** Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists

**Skin Exposure:** Remove contaminated clothing. Rinse immediately with plenty of water for 5 minutes. Obtain medical attention if irritation develops or persists.

**Eye Exposure:** Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if redness, pain, or irritation occurs.

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Use extinguishing media appropriate for surrounding fire.
<b>Unusual Fire and Explosive Hazards:</b>	Not Available
<b>Flash Point:</b>	Not Available
<b>Auto ignition Temperature:</b>	Not Available
<b>Flammability Statement:</b>	Not Available
<b>Specific hazards arising from the chemical:</b>	Exposure to decomposition products may be hazardous to health
<b>Protective equipment and precautions for firefighters:</b>	Wear self-contained breathing apparatus for firefighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid breathing vapors, mist or gas. Avoid prolonged contact with eyes, skin and clothing
<b>Environmental Precautions:</b>	Prevent entry to sewers and public waters.
<b>Method of Containment:</b>	Keep in suitable, closed containers for disposal.
<b>Methods of Clean-up:</b>	Contain spills with dikes or absorbents to prevent migration and entry into sewers or streams
<b>Other Information:</b>	Not Available

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid prolonged contact with skin, eyes and clothing. Avoid breathing vapors, mist or spray.
<b>Storage:</b>	Store in a dry, cool and well ventilated place. Keep container tightly closed in a dry and well-ventilated place.

## 8. EXPOSURE CONTROL

<b>Respiratory Protection:</b>	If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear protective respiratory protection.
<b>Eye Protection:</b>	Safety glasses with side-shields. Use equipment for eye protection tested and approved under appropriate government standards.
<b>Skin Protection:</b>	Wear protective gloves.
<b>Body Protection</b>	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<b>Control of Environmental Exposure:</b>	Do not allow product to be released into the environment.
<b>Appropriate engineering controls:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Do not eat, drink or smoke during use. Emergency eye wash stations and safety showers should be available in the immediate vicinity of any potential exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Slightly cloudy, colorless
<b>Physical State:</b>	Liquid
<b>Odor:</b>	Not Available
<b>Odor Threshold:</b>	Not Available
<b>pH:</b>	Not available
<b>Boiling Point:</b>	Not Available
<b>Evaporation Rate:</b>	Not Available
<b>Vapor Density:</b>	Not Available
<b>Vapor Pressure:</b>	Not Available
<b>Relative Density:</b>	Not Available
<b>Auto-Ignition Temperature:</b>	Not Available
<b>Water Solubility:</b>	Dilutable
<b>Flammability:</b>	Not Available
<b>Flash Point:</b>	Not Available
<b>Viscosity:</b>	Not Available
<b>Oxidizing Properties:</b>	Not Available
<b>Explosive Properties:</b>	Not Available
<b>Additional Parameters:</b>	See Datasheet/Product Insert for other Product Information.

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	Direct sunlight, extremely high or low temperatures, and incompatible materials.
<b>Incompatibility Materials to Avoid:</b>	Strong oxidizing agents, acids and bases.
<b>Hazardous Decomposition Products:</b>	Carbon oxides, nitrogen oxides. No decomposition if stored and applied as directed.
<b>Hazardous Polymerization:</b>	Will not occur
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization will not occur.

## 11. TOXICOLOGY MEASURES

### Acute Toxicity

The toxicological risks are minor due to the low concentration of hazardous ingredients. The following toxicological information is for the hazardous ingredient in pure form.

### Guanidine hydrochloride (50-01-1)

LD50 Oral Rat:	475 mg/kg
LD50 Dermal Rabbit:	>2000 mg/kg
LC50 Inhalation:	Not available

### Sodium Azide (26628-22-8)

LD50 Oral Rat (26628-22-8)	27 mg/kg
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**Chronic Toxicity**

<b>Carcinogenicity:</b>	Not classified
<b>Irritation:</b>	Not classified
<b>Corrosivity:</b>	Not classified
<b>Sensitization:</b>	Not classified
<b>Neurological Effects:</b>	Not classified
<b>Mutagenic Effects:</b>	Not classified
<b>Reproductive Effects:</b>	Not classified
<b>Developmental Effects:</b>	Not classified
<b>Target Organ Effects:</b>	Not classified
<b>Other adverse effects:</b>	Not classified

**12. ECOLOGICAL MEASURES**

<b>Ecotoxicity:</b>	No classified
<b>Sodium azide (2668-22-8)</b>	LC50 Fish 1: 0.8 mg/L LC50 Fish 2: 0.7 mg/L
<b>Persistence/Degradability:</b>	Not readily biodegradable.
<b>Mobility in Environmental Media:</b>	Not Available
<b>Bioaccumulation/ Accumulation:</b>	Not established

**13. DISPOSAL MEASURES**

<b>Waste Disposal Method:</b>	Dispose of waste material in accordance with all local, regional, national, and international regulations.
<b>Contaminated Packaging:</b>	Dispose of as unused product.
<b>US EPA Waste Number:</b>	Not Available

**14. TRANSPORTATION MEASURES**

<b>DOT:</b>	Not dangerous goods
<b>IATA:</b>	Not dangerous goods
<b>ADR (road)/ RID (rail):</b>	Not Available
<b>IMDG (sea):</b>	Not dangerous goods
<b>General Transport Regulations</b>	Not Available

**15. REGULATORY MEASURES****US Federal Regulations****Guanidine hydrochloride (50-01-1)**

Listed on the US TSCA inventory

**Sodium azide (26628-22-8)**

Listed on the US TSCA inventory

Listed on US SARA 302

Subject to report requirements of US SARA 313

**SARA Section 302 Threshold Planning Quantity**

500 (this material is reactive solid. (The TPQ does not default to 10000 pounds for non-powder, non-molten, non-solution form)

**SARA 313 Emission Reporting**

1%

**State Regulations****Sodium azide (26628-22-8)**

US – Massachusetts – Right To Know list

US – New Jersey - Right To Know Hazardous Substance List

US Pennsylvania - Right To Know Environmental Hazard List

**California Proposition 65:**

This product contains the following Proposition 65 chemicals

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**State Right to Know Act****Chemical Name****Guanidine hydrochloride****Sodium azide****Massachusetts:**

Not Applicable

Right To Know list

**New Jersey:**

Not Listed

Right To Know Hazardous Substance List

**Pennsylvania:**

Not Applicable

Right To Know Environmental Hazard List

**New York:**

Not Listed

Not Listed

**Rhode Island:**

Not Applicable

Not Listed

**International Inventories****Chemical Name****Guanidine hydrochloride****Sodium azide****TSCA:**

Listed

Listed

**DSL:**

Not Applicable

Listed

**NDSL:**

Not Applicable

Not Available

**EINECS:**

Not Applicable

Listed

**CHINA:**

Not Applicable

Listed

**KECL:**

Not Applicable

Listed

**JAPAN:**

Listed

Listed

**AICS:**

Listed

Listed

**EU Regulations****Annex I Index#:**

Not Applicable

**Classification / Hazard Statements:**

The product contains no substances which at their given concentration, are considered to be hazardous to health or the environment as per:

- GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
- Regulation (EC) No 1272/2008

## 16. OTHER INFORMATION

### GHS full text phrases

Acute Tox. 2 (Oral)	Acute toxicity (oral) Category 2
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H300	Fatal if swallowed
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
EUH032	Contact with acids liberates very toxic gas
EUH210	Safety data sheet available on request

**The above information is believed to be accurate, complete and current but does not purport to be all inclusive and shall be used as a guide. SeraCare Life Sciences makes no representation or warranties with respect to the product described herein, including but not limited to any implied warranties or merchantability or fitness for a particular use. SeraCare assumes no liability or responsibility and authorizes no other person to assume any additional liability or responsibility as a result of the use of this product or the information contained in the Safety Data Sheet.**