



Safety Data Sheet

CAP HPVD STM SDS

SDS-OEM-CAP-HPVD

Rev. Number: 4

Rev. Date: Jan 18, 2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product Description:	Product Code
CAP HPVD 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

Email: 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)
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

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

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROL

Respiratory Protection:	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.
Eye Protection:	Safety glasses with side-shields. Use equipment for eye protection tested and approved under appropriate government standards.
Skin Protection:	Wear protective gloves.
Body Protection	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Control of Environmental Exposure:	Do not allow product to be released into the environment.
Appropriate engineering controls:	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

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

10. STABILITY AND REACTIVITY

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

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

12. ECOLOGICAL MEASURES

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

13. DISPOSAL MEASURES

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

14. TRANSPORTATION MEASURES

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

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