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**SECTION 1: Substance Identification**

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**1.1 Product identifiers:**

Product name: CellSolutions™ Density Reagent  
Catalogue number: DR-101L; DR-101G  
Brand: CellSolutions™

**1.2 Relevant identified uses**

*In-vitro* Diagnostics

**1.3 Details of the supplier of the safety data sheet**

Company: CellSolutions™  
Address: 1100 Revolution Mill Dr., Ste 1  
City, State, Zip: Greensboro, NC 27405 USA  
Telephone: +1-336-510-1120  
Fax: +1-336-510-1159

**1.4 Emergency telephone number:**

Emergency Phone #: +1-336-510-1120

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**SECTION 2: HAZARD IDENTIFICATION**

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**2.1 Classification of the substance or mixture**

**GHS Classification [CLP]**

Acute Toxic 4, Harmful if swallowed, H302

**2.2 GHS label elements**



**Signal word** Warning

**Hazard statement(s)**

H302 Harmful if swallowed

**Precautionary statement(s)**

P102 Keep out of reach of children.  
P262 Do not get into eyes, on skin, or on clothing.  
P264 Wash hands, and any other body part that has had contact, thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P301+P312 If swallowed: Call a poison a Position Control Center or doctor / physician.  
P330 Rinse mouth.  
P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

**2.3 Other hazards**

PBT and vBvP not applicable.

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**SECTION 3: Composition**

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**3.2 Mixtures****Dangerous components**

	<b>Component</b>	<b>Classification [CLP]</b>	<b>% WT</b>	
CAS-No. : 26628-22-8 EC-No. : 247-852-1	Sodium Azide	H300 + H310, Fatal if swallowed or in contact with skin H410, Very toxic to aquatic life with long lasting effects	0.1%	

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**SECTION 4: First-aid Measures**

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**4.1 Description of first aid measures**

- GENERAL ADVICE:** Consult a physician. Show this SDS to physician.
- INHALATION:** Remove to fresh air and rest.  
If recovery is not rapid call for prompt medical attention.  
Show this safety data sheet to medical personnel.
- EYES:** Irrigate with water for at least 15 minutes.  
Take care not to wash chemical from one eye to another.  
Get prompt medical attention.
- SKIN:** Remove contaminated clothing.  
Wash with soap/cleanser and rinse with plenty of water.  
If irritation persists, obtain medical attention.
- INGESTION:** Do not induce vomiting.  
Rinse mouth with water.  
Seek medical attention immediately.

**4.2 Most important symptoms and effect, both acute and delayed**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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**SECTION 5: Fire-fighting Measures**

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**5.1 Extinguishing media**

**Suitable Extinguishers:** Alcohol resistant foam  
Dry powder  
Carbon dioxide  
Water spray / fog

**Unsuitable extinguishers:** Direct water jets

**5.2 Special hazards arising from the mixture**

No further relevant information available.

### 5.3 Advice for firefighters

Do not breathe decomposition products and fumes.  
Use approved self-contained breathing apparatus.  
Wear fire retardant clothing.  
Use water spray to cool containers.  
Danger of flashback exists.  
Prevent runoff from fire control from entering waterways.

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## SECTION 6: Accidental Release Measures

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### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment (Gloves – polyethylene, nitrile or rubber gloves. Eye protection – use goggles or safety glasses)  
Use an appropriate respiratory device for large spills and in confined spaces.  
Mark area and warn personnel.  
See section 5 for fire fighting measures.  
See section 7 for additional information on handling.  
See section 8 for additional information on personal protection equipment.

### 6.2 Environmental precautions

Contain spills if safe to do so. Discharge into the environment must be avoided. Do not allow product to enter waterways.

### 6.3 Methods and materials for containment and cleaning up

Ensure adequate ventilation. Contain spills. Absorb with a liquid-binding (sand or absorbant granule) or absorbing material and place in a container for disposal according to section 13 and local regulations.

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## SECTION 7: Handling and Storage

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### 7.1 Precautions for safe handling

#### Protective measures

Ensure adequate ventilation.  
Avoid inhalation of vapour.  
Avoid eye and skin contact.  
Wear appropriate protective equipment.  
Polyethylene, Nitrile, or rubber gloves  
Protective clothing  
Eye protection such as goggles or safety glasses  
Keep out of reach of children.

### 7.2 Conditions for safe storage

Store in a cool, dry, well ventilated area at temperatures between 2°C - 30°C.  
Store away from oxidizing agents.  
Store away from metals.  
Store in tightly closed containers.  
Keep out of reach of children.

### 7.3 Specific end use(s)

None other than the use mentioned in section 1.2.

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**SECTION 8: Exposure Controls/Personal Protection**

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**8.1 Control parameters**

Component	CAS No.		Control parameter	Basis
Sodium Azide	26628-22-8	Skin	0.3 mg/m <sup>3</sup>	NIOSH (listed as NaN <sub>3</sub> )

**8.2 Exposure controls****Personal protective equipment**

Polythene, nitrile or rubber gloves. Wash hands after use. Wash area(s) immediately if mixture comes into contact with skin.  
Suitable overalls, apron, or lab coat. Remove any contaminated clothing immediately.  
Goggles or safety glasses.

**Environmental control**

Store containers with lid closed. Contain spill and prevent further spillage if safe to do so. Keep away from foodstuffs, beverages and feed. Keep out of waterways.

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**SECTION 9: Physical and Chemical Properties**

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**APPEARANCE** : Clear, colorless liquid  
**ODOR** : No data available  
**pH** : 7.0  
**BOILING POINT / RANGE** : No data available  
**FLASH POINT** : >100°C  
**FLAMMABILITY** : Non-flammable  
**AUTOFLAMMABILITY** : No data available  
**EXPLOSIVE PROPERTIES** : No data available  
**OXIDISING PROPERTIES** : No data available  
**VAPOUR PRESSURE** : No data available  
**RELATIVE DENSITY** : 1.024 g/cm<sup>3</sup>  
**SOLUBILITY** : Miscible in water  
**VAPOUR DENSITY** : No data available  
**VISCOSITY** : No data available  
**EVAPORATION RATE (Bu Ac = 1)**: Non-volatile

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**SECTION 10: Stability and Reactivity**

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**10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable at normal temperatures (2°C - 30°C).

**10.3 Possibility of hazardous reactions**

No dangerous reactions known.

**10.4 Conditions to avoid**

Conditions to avoid: high temperature, sources of ignition & direct sunlight.

**10.5 Incompatible materials**

Materials to avoid: oxidizing agents, acidic materials, metals.

**10.6 Hazardous decomposition products**

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CellSolutions™ Density Reagent

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No hazardous decomposition products when stored and handled correctly.

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## SECTION 11: Toxicological Information

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### 11.1 Information on toxicological effects

#### Acute toxicity

LD/LC50 (Lethal Dose, 50 percent) values:

Component	CAS No.		Value
Sodium Azide	26628-22-8	Oral – LD50	27mg/kg (rat)

#### Acute effects

Routes of exposure: skin absorption and ingestion

Ingestion: No data available.

Eyes: No data available.

Skin: Irritation. No data available.

Inhalation: No data available.

#### Chronic effects

Chronic effects: May cause kidney and liver damage

#### Carcinogenic categories

None known.

Seek Medical attention.

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## SECTION 12: Ecological Information

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### 12.1 Toxicity

Harmful to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

Not applicable.

### 12.6 Other adverse effects

An environmental hazard can't be excluded due to unprofessional handling or disposal.

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## SECTION 13: Disposal Considerations

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### 13.1 Disposal considerations

#### Product

Do not discharge into drains or watercourses.

Dispose through properly licensed contractors.

Dispose of in accordance with 40 CFR 261.3, state and local requirements.

#### Soiled Packaging

Dispose of according to local regulations

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## SECTION 14: Transport Information

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# SAFETY DATA SHEET

CellSolutions™ Density Reagent  
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Revision Number: SDS DR 2  
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## 14.1 UN number

N/A

## 14.2 UN proper shipping name

N/A

## 14.3 Transport hazard classes

N/A

## 14.4 Packaging group

N/A

## 14.5 Environmental hazards

N/A

Not classified as hazardous for transport.

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## SECTION 15: Regulatory Information

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### 15.1 Safety, health and environmental regulations/legislation specific for mixture

SARA 302 Components  
26628-22-8 Sodium Azide

#### OTHER REGULATIONS

Health and Safety at Work etc. Act 1974  
Control of Substances Hazardous to Health Regulations 1994  
Environmental Protection Act 1990

### 15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this mixture by the supplier.

## HAZARD & PRECAUTION STATEMENTS

H302	Harmful if swallowed
P102	Keep out of reach of children.
P262	Do not get into eyes, on skin, or on clothing.
P264	Wash hands, and any other body part that has had contact, thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301+P312	If swallowed: Call a poison a Poison Control Center or doctor / physician.
P330	Rinse mouth.
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.

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## SECTION 16: Other Information

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The information contained in this Safety Data Sheet is accurate to the best of our knowledge. It does not represent any guarantee of the properties of the product. All materials may present unknown hazards and should be used and handled with caution. Neither CellSolutions or its affiliates assumes any liabilities whatsoever for the accuracy or completeness of the informations contained within and shall not be held liable for any damage resulting from handling or from contact with the above product.

#### Abbreviations:

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMO: International Maritime Organization

ADR: Accord europeen sur le transport de marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

TWA: Time Weighted Average

OSHA: Occupation Safety and Health Administration

NIOSH: National Institute for Occupational Safety and Health

LD50: Lethal dose, 50 percent

# **SAFETY DATA SHEET**

**CellSolutions™ Density Reagent**

Manufactured by CellSolutions, LLC

SARA: Superfund Admendments and Reauthorization Act

**Revision Number: SDS DR 2**

**SDS DATE: 2/2/15**