



**SAFETY DATA SHEET**

**Product code:** 7900001/4771

**Revision date:** 03-20-2014

**Company:** Janssen Diagnostics, LLC

**Product name:** Cell Fixative

**Product code:** 7900001/4771

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Cell Fixative  
**Product code:** 7900001/4771  
**Identified use:** Reagent

**Supplier:**  
Janssen Diagnostics, LLC  
700 US Highway Route 202 South  
Raritan, NJ 08869

**Manufacturer:** Janssen Diagnostics, LLC  
700 US Highway Route 202 South  
Raritan, NJ 08869

**Customer service telephone:** (800) 421-3311  
**Regional Emergency Telephone Number:** French 03 88 65 47 33  
Spanish 900 97 33 25  
**Transportation Emergencies:** (US and Ex-US)  
Phone: (800) 424-9300

**2. HAZARDS IDENTIFICATION**

**Emergency overview:** Harmful if swallowed. May be harmful if absorbed through skin. Product contains animal-derived material. May cause sensitization by skin contact.

**Properties affecting health:** Harmful if swallowed.  
May be harmful in contact with skin.  
May cause sensitization by skin contact.

This material is a controlled product under WHMIS.

**Principle routes of exposure:**

- Eye Contact:** Contact with eyes may cause irritation.
- Skin contact:** May cause skin irritation. May cause sensitization by skin contact. May be harmful if absorbed through skin
- Ingestion:** Harmful if swallowed.
- Inhalation:** May cause irritation of respiratory tract

**Physico-chemical properties:** No hazards resulting from the material as supplied.

**Hazard information:**

**Target Organ(s)** Skin  
**Reproductive effects:** Unknown on product.  
**Mutagenic effects:** Unknown on product.  
**Sensitization:** May cause sensitization by skin contact.

**Signs and symptoms:** None.

**Medical conditions aggravated by exposure:** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous Components

Components	CAS Number	Synonyms	Weight %
Water	7732-18-5		97.26
Serum Albumin	9048-46-8		0.1
Sodium Azide	26628-22-8		0.1

### 4. FIRST AID MEASURES

**Eye contact:** In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical attention.

**Skin contact:** Wash off immediately with soap and plenty of water. Wash contaminated clothing before re-use. In the case of skin irritation or allergic reactions see a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth. Do not induce vomiting without medical advice. Obtain medical attention.

**Inhalation:** Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Use any extinguishing media which is suitable for the surrounding fire.

**Extinguishing media which must not be used for safety reasons:** None.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus and protective suit.

**Specific methods:** None.

**Hazardous combustion products:** Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, nitrogen oxides (NO<sub>x</sub>), Hydrogen chloride

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Ensure adequate ventilation. Wear suitable gloves and eye/face protection

**Environmental precautions:** Do not allow material to contaminate ground water system.

**Methods for cleaning up:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean contaminated surface thoroughly.

### 7. HANDLING AND STORAGE

**Handling:**

**Technical measures/precautions:** Use only in area provided with appropriate exhaust ventilation.

**Safe handling advice:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Avoid formation of aerosols. Avoid breathing vapors or mist.

**Storage:**

**Technical measures/storage conditions:** Keep containers tightly closed. Store according to labeled instructions. Keep at temperatures between 2 and 8°C

**Incompatible products:** Oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	ACGIH (TWA - 8hr)	ACGIH (STEL)	ACGIH (Ceiling)	Skin Absorption	OSHA (TWA - 8hr)	OSHA (Ceiling)	OSHA (STEL)
Water (97.26%) 7732-18-5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Serum Albumin (0.1%) 9048-46-8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sodium Azide (0.1%) 26628-22-8	N/A	N/A	0.29 mg/m <sup>3</sup> 0.11 ppm	N/A	N/A	N/A	N/A

**Engineering controls:** Ensure adequate ventilation.  
Eye baths, washing facilities, and safety shower.

### Personal protective equipment

**Eye protection:** Eye and face protection recommended when manufacturing product.  
**Hand protection:** Wear disposable gloves while handling kit reagents. Thoroughly wash hands afterwards.  
**Skin and body protection:** Skin protection recommended when manufacturing product.  
**Respiratory protection:** Respiratory protection dependent on airborne exposures.  
**Other/general protection:** None required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

**Physical state:** Liquid  
**Appearance:** Clear Liquid  
**Color:** Clear  
**Odor:** Odorless

### Important Health Safety and Environmental Information

**Flash point:** Not applicable.      **Boiling point/range:** No information available.  
**pH:** 7.5      **Water solubility:** Freely soluble

### Other information

**Explosivity:** None.

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable.  
**Materials to avoid:** Strong acids and strong bases.  
Reducing agents.  
Stay away from strong oxidizing agents.  
**Conditions to avoid:** Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded.  
**Hazardous polymerization:** Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

<b>Eye contact</b>	May cause eye irritation.
<b>Skin contact</b>	May cause sensitization by skin contact. May cause skin irritation. May be harmful if absorbed through skin
<b>Ingestion</b>	Harmful if swallowed.
<b>Inhalation</b>	May cause irritation of respiratory tract.

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water	> 90 mL/kg ( Rat )		
Sodium Azide	= 27 mg/kg ( Rat )	= 20 mg/kg ( Rabbit ) = 50 mg/kg ( Rat )	

### Sub-Chronic/Chronic Toxicity

No repeat dose data available.

### Specific effects

<b>Target Organ(s)</b>	Skin
<b>Reproductive effects</b>	Not available.
<b>Developmental effects</b>	Not available.
<b>Carcinogenic effects</b>	Not available.
<b>Genotoxic effects</b>	Not available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

<b>Ecotoxicity effects:</b>	This product has no known eco-toxicological effects.
<b>Aquatic toxicity effects:</b>	Sodium Azide is harmful to aquatic life at low concentrations. May cause long-term adverse effects in the aquatic environment

## 13. DISPOSAL CONSIDERATIONS

### **Waste from residues / unused products:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.  
This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

### **Contaminated packaging:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations..

## 14. TRANSPORT INFORMATION

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

## 15. REGULATORY INFORMATION

Components	SARA 313	SARA 302	CERCLA	CEPA
Sodium Azide	Listed	Listed	Listed	

### SARA (311, 312) hazard class

Immediate health:	Yes.
Delayed health:	None.
Fire:	None.
Sudden Release of Pressure Hazard:	None.
Reactivity:	None.

### State Regulations

Components	CAS Number	NJRTK	PARTK	MARTK	RIRTK
Sodium Azide (0.1%)	26628-22-8	Listed	Listed	Listed	Listed

### International Inventories

Components	TSCA	DSL	NDSL
Water (97.26%)	X	X	Not Listed
Serum Albumin (0.1%)	X	X	Not Listed
Sodium Azide (0.1%)	X	X	Not Listed

### WHMIS:

WHMIS trade secret:	None.
WHMIS hazard class:	D2B Toxic Materials.



### Notes:

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substance Control Act.
5. WHMIS = Canadian Workplace Hazardous Materials Information System.
6. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

## 16. OTHER INFORMATION

This data sheet contains changes from the previous version in section(s):

None.

### MSDS format:

- North American Format - U.S. and Canada  
This Material Safety Data Sheet was prepared in accordance with ANSI Z400.1-2004.

### Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



**SAFETY DATA SHEET**

**Product code:** 7900001/4772

**Revision date:** 03-20-2014

**Company:** Janssen Diagnostics, LLC

**Product name:** Nucleic Acid Dye

**Product code:** 7900001/4772

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Nucleic Acid Dye  
**Product code:** 7900001/4772  
**Identified use:** Reagent

**Supplier:**  
Janssen Diagnostics, LLC  
700 US Highway Route 202 South  
Raritan, NJ 08869

**Manufacturer:** Janssen Diagnostics, LLC  
700 US Highway Route 202 South  
Raritan, NJ 08869

**Customer service telephone:** (800) 421-3311  
**Regional Emergency Telephone Number:** French 03 88 65 47 33  
Spanish 900 97 33 25  
**Transportation Emergencies:** (US and Ex-US)  
Phone: (800) 424-9300

**2. HAZARDS IDENTIFICATION**

**Emergency overview:** May cause sensitization by skin contact.

**Properties affecting health:** May cause sensitization by skin contact.

This material is a controlled product under WHMIS.

**Principle routes of exposure:**

**Eye Contact:** Contact with eyes may cause irritation.  
**Skin contact:** May cause skin irritation.  
**Ingestion:** No effects expected. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
**Inhalation:** No effects expected. May cause irritation of respiratory tract

**Physico-chemical properties:** No hazards resulting from the material as supplied.

**Hazard information:**

**Target Organ(s):** Skin  
**Reproductive effects:** Unknown on product.  
**Mutagenic effects:** Unknown on product.







## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

<b>Eye contact</b>	May cause eye irritation.
<b>Skin contact</b>	May cause skin irritation. May cause sensitization by skin contact.
<b>Ingestion</b>	No effects expected. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Inhalation</b>	May cause irritation of respiratory tract.

### Sub-Chronic/Chronic Toxicity

No repeat dose data available.

### Specific effects

<b>Target Organ(s)</b>	Skin
<b>Reproductive effects</b>	Not available.
<b>Developmental effects</b>	Not available.
<b>Carcinogenic effects</b>	Not available.
<b>Genotoxic effects</b>	Not available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

<b>Ecotoxicity effects:</b>	This product has no known eco-toxicological effects.
<b>Aquatic toxicity effects:</b>	This product has no known aquatic toxicological effects.

## 13. DISPOSAL CONSIDERATIONS

### **Waste from residues / unused products:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.  
This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

### **Contaminated packaging:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations..

## 14. TRANSPORT INFORMATION

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

## 15. REGULATORY INFORMATION

### SARA (311, 312) hazard class

Immediate health: Yes.  
Delayed health: None.  
Fire: None.  
Sudden Release of Pressure Hazard: None.  
Reactivity: None.

### State Regulations

### International Inventories

Components	TSCA	DSL	NDSL
ProClin 300 (0.05%)	Not Listed	Not listed	Not Listed

### WHMIS:

WHMIS trade secret: None.  
WHMIS hazard class: D2B Toxic Materials.



### Notes:

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substance Control Act.
5. WHMIS = Canadian Workplace Hazardous Materials Information System.
6. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

## 16. OTHER INFORMATION

### This data sheet contains changes from the previous version in section(s):

None.

### MSDS format:

- North American Format - U.S. and Canada  
This Material Safety Data Sheet was prepared in accordance with ANSI Z400.1-2004.

### Disclaimer:

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**End of Safety Data Sheet**



**SAFETY DATA SHEET**

**Product code:** 7900001/4773

**Revision date:** 03-20-2014

**Company:** Janssen Diagnostics, LLC  
**Product name:** Capture Enhancement Reagent

**Product code:** 7900001/4773  
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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Capture Enhancement Reagent  
**Product code:** 7900001/4773  
**Identified use:** Reagent

**Supplier:**  
Janssen Diagnostics, LLC  
700 US Highway Route 202 South  
Raritan, NJ 08869

**Manufacturer:** Janssen Diagnostics, LLC  
700 US Highway Route 202 South  
Raritan, NJ 08869

**Customer service telephone:** (800) 421-3311  
**Regional Emergency Telephone Number:** French 03 88 65 47 33  
Spanish 900 97 33 25  
**Transportation Emergencies:** (US and Ex-US)  
Phone: (800) 424-9300

**2. HAZARDS IDENTIFICATION**

**Emergency overview:** Product contains animal-derived material. May cause sensitization by skin contact. May be harmful if swallowed. May be harmful if absorbed through skin

**Properties affecting health:** Harmful if swallowed.  
May be harmful in contact with skin.  
May cause sensitization by skin contact.

This material is a controlled product under WHMIS.

**Principle routes of exposure:**

<b>Eye Contact:</b>	Contact with eyes may cause irritation.
<b>Skin contact:</b>	May cause skin irritation. May cause sensitization by skin contact. May be harmful if absorbed through skin
<b>Ingestion:</b>	Harmful if swallowed.
<b>Inhalation:</b>	May cause irritation of respiratory tract

**Physico-chemical properties:** No hazards resulting from the material as supplied.

**Hazard information:**

**Target Organ(s)** Skin  
**Reproductive effects:** Unknown on product.  
**Mutagenic effects:** Unknown on product.  
**Sensitization:** May cause sensitization by skin contact.

**Signs and symptoms:** None.

**Medical conditions aggravated by exposure:** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous Components

Components	CAS Number	Synonyms	Weight %
Serum Albumin	9048-46-8		0.5
Sodium Azide	26628-22-8		0.1

### 4. FIRST AID MEASURES

**Eye contact:** In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical attention.

**Skin contact:** Wash off immediately with soap and plenty of water. Wash contaminated clothing before re-use. In the case of skin irritation or allergic reactions see a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth. Do not induce vomiting without medical advice. Obtain medical attention.

**Inhalation:** Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Use any extinguishing media which is suitable for the surrounding fire.

**Extinguishing media which must not be used for safety reasons:** None.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus and protective suit.

**Specific methods:** None.

**Hazardous combustion products:** Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, nitrogen oxides (NO<sub>x</sub>), Hydrogen chloride

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Ensure adequate ventilation. Wear suitable gloves and eye/face protection

**Environmental precautions:** Do not allow material to contaminate ground water system.

**Methods for cleaning up:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean contaminated surface thoroughly.

### 7. HANDLING AND STORAGE

**Handling:**

**Technical measures/precautions:** Use only in area provided with appropriate exhaust ventilation.

**Safe handling advice:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Avoid formation of aerosols. Avoid breathing vapors or mist.

**Storage:**

**Technical measures/storage conditions:** Keep containers tightly closed. Store according to labeled instructions. Keep at temperatures between 2 and 8°C

**Incompatible products:** Oxidizing agents.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	ACGIH (TWA - 8hr)	ACGIH (STEL)	ACGIH (Ceiling)	Skin Absorption	OSHA (TWA - 8hr)	OSHA (Ceiling)	OSHA (STEL)
Serum Albumin (0.5%) 9048-46-8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sodium Azide (0.1%) 26628-22-8	N/A	N/A	0.29 mg/m <sup>3</sup> 0.11 ppm	N/A	N/A	N/A	N/A

**Engineering controls:** Ensure adequate ventilation.  
Eye baths, washing facilities, and safety shower.

### Personal protective equipment

**Eye protection:** Eye and face protection recommended when manufacturing product.  
**Hand protection:** Wear disposable gloves while handling kit reagents. Thoroughly wash hands afterwards.  
**Skin and body protection:** Skin protection recommended when manufacturing product.  
**Respiratory protection:** Respiratory protection dependent on airborne exposures.  
**Other/general protection:** None required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

**Physical state:** Liquid  
**Appearance:** Liquid  
**Color:** various

### Important Health Safety and Environmental Information

**Flash point:** Not applicable. **Boiling point/range:** No information available.  
**pH:** Not applicable

### Other information

**Explosivity:** None.

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable.  
**Materials to avoid:** Strong acids and strong bases.  
Reducing agents.  
Stay away from strong oxidizing agents.  
**Conditions to avoid:** Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded.  
**Hazardous polymerization:** Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

<b>Eye contact</b>	May cause eye irritation.
<b>Skin contact</b>	May cause sensitization by skin contact. May cause skin irritation. May be harmful if absorbed through skin
<b>Ingestion</b>	Harmful if swallowed.
<b>Inhalation</b>	May cause irritation of respiratory tract.

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Azide	= 27 mg/kg ( Rat )	= 20 mg/kg ( Rabbit ) = 50 mg/kg ( Rat )	

### Sub-Chronic/Chronic Toxicity

No repeat dose data available.

### Specific effects

<b>Target Organ(s)</b>	Skin
<b>Reproductive effects</b>	Not available.
<b>Developmental effects</b>	Not available.
<b>Carcinogenic effects</b>	Not available.
<b>Genotoxic effects</b>	Not available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

<b>Ecotoxicity effects:</b>	This product has no known eco-toxicological effects.
<b>Aquatic toxicity effects:</b>	Sodium Azide is harmful to aquatic life at low concentrations. May cause long-term adverse effects in the aquatic environment

## 13. DISPOSAL CONSIDERATIONS

### **Waste from residues / unused products:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.  
This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

### **Contaminated packaging:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations..

## 14. TRANSPORT INFORMATION

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

## 15. REGULATORY INFORMATION

Components	SARA 313	SARA 302	CERCLA	CEPA
Sodium Azide	Listed	Listed	Listed	

### SARA (311, 312) hazard class

Immediate health:	Yes.
Delayed health:	None.
Fire:	None.
Sudden Release of Pressure Hazard:	None.
Reactivity:	None.

### State Regulations

Components	CAS Number	NJRTK	PARTK	MARTK	RIRTK
Sodium Azide (0.1%)	26628-22-8	Listed	Listed	Listed	Listed

### International Inventories

Components	TSCA	DSL	NDSL
Serum Albumin (0.5%)	X	X	Not Listed
Sodium Azide (0.1%)	X	X	Not Listed

### WHMIS:

WHMIS trade secret:	None.
WHMIS hazard class:	D2B Toxic Materials.



### Notes:

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substance Control Act.
5. WHMIS = Canadian Workplace Hazardous Materials Information System.
6. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

## 16. OTHER INFORMATION

**This data sheet contains changes from the previous version in section(s):**

None.

### MSDS format:

- North American Format - U.S. and Canada
- This Material Safety Data Sheet was prepared in accordance with ANSI Z400.1-2004.

### Disclaimer:

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**End of Safety Data Sheet**



**SAFETY DATA SHEET**

**Product code:** 7900001/4774

**Revision date:** 03-20-2014

**Company:** Janssen Diagnostics, LLC

**Product name:** Dilution Buffer

**Product code:** 7900001/4774

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Dilution Buffer  
**Product code:** 7900001/4774  
**Identified use:** Reagent

**Supplier:**  
Janssen Diagnostics, LLC  
700 US Highway Route 202 South  
Raritan, NJ 08869

**Manufacturer:** Janssen Diagnostics, LLC  
700 US Highway Route 202 South  
Raritan, NJ 08869

**Customer service telephone:** (800) 421-3311  
**Regional Emergency Telephone Number:** French 03 88 65 47 33  
Spanish 900 97 33 25  
**Transportation Emergencies:** (US and Ex-US)  
Phone: (800) 424-9300

**2. HAZARDS IDENTIFICATION**

**Emergency overview:** Product contains animal-derived material. May cause sensitization by skin contact. May be harmful if swallowed. May be harmful if absorbed through skin

**Properties affecting health:** Harmful if swallowed.  
May be harmful in contact with skin.  
May cause sensitization by skin contact.

This material is a controlled product under WHMIS.

**Principle routes of exposure:**

<b>Eye Contact:</b>	Contact with eyes may cause irritation.
<b>Skin contact:</b>	May cause skin irritation. May cause sensitization by skin contact. May be harmful if absorbed through skin
<b>Ingestion:</b>	Harmful if swallowed.
<b>Inhalation:</b>	May cause irritation of respiratory tract

**Physico-chemical properties:** No hazards resulting from the material as supplied.

**Hazard information:**

**Target Organ(s)** Skin  
**Reproductive effects:** Unknown on product.  
**Mutagenic effects:** Unknown on product.  
**Sensitization:** May cause sensitization by skin contact.

**Signs and symptoms:** None.

**Medical conditions aggravated by exposure:** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous Components

Components	CAS Number	Synonyms	Weight %
Other Animal Protein	-		0.6
Serum Albumin	9048-46-8		0.5
Sodium Azide	26628-22-8		0.1

### 4. FIRST AID MEASURES

**Eye contact:** In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical attention.

**Skin contact:** Wash off immediately with soap and plenty of water. Wash contaminated clothing before re-use. In the case of skin irritation or allergic reactions see a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth. Do not induce vomiting without medical advice. Obtain medical attention.

**Inhalation:** Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Use any extinguishing media which is suitable for the surrounding fire.

**Extinguishing media which must not be used for safety reasons:** None.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus and protective suit.

**Specific methods:** None.

**Hazardous combustion products:** Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, nitrogen oxides (NO<sub>x</sub>), Hydrogen chloride

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Ensure adequate ventilation. Wear suitable gloves and eye/face protection

**Environmental precautions:** Do not allow material to contaminate ground water system.

**Methods for cleaning up:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean contaminated surface thoroughly.

### 7. HANDLING AND STORAGE

**Handling:**

**Technical measures/precautions:** Use only in area provided with appropriate exhaust ventilation.

**Safe handling advice:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Avoid formation of aerosols. Avoid breathing vapors or mist.

**Storage:**

**Technical measures/storage conditions:** Keep containers tightly closed. Store according to labeled instructions. Keep at temperatures between 2 and 8°C

**Incompatible products:** Oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	ACGIH (TWA - 8hr)	ACGIH (STEL)	ACGIH (Ceiling)	Skin Absorption	OSHA (TWA - 8hr)	OSHA (Ceiling)	OSHA (STEL)
Other Animal Protein (0.6%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Serum Albumin (0.5%) 9048-46-8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sodium Azide (0.1%) 26628-22-8	N/A	N/A	0.29 mg/m <sup>3</sup> 0.11 ppm	N/A	N/A	N/A	N/A

**Engineering controls:** Ensure adequate ventilation.  
Eye baths, washing facilities, and safety shower.

### Personal protective equipment

**Eye protection:** Eye and face protection recommended when manufacturing product.  
**Hand protection:** Wear disposable gloves while handling kit reagents. Thoroughly wash hands afterwards.  
**Skin and body protection:** Skin protection recommended when manufacturing product.  
**Respiratory protection:** Respiratory protection dependent on airborne exposures.  
**Other/general protection:** None required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

**Physical state:** Liquid  
**Appearance:** Clear Liquid  
**Color:** Clear  
**Odor:** Odorless

### Important Health Safety and Environmental Information

**Flash point:** Not applicable.                      **Boiling point/range:** No information available.  
**pH:** 7.5    **Water solubility:** Freely soluble

### Other information

**Explosivity:** None.

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable.  
**Materials to avoid:** Strong acids and strong bases.  
Reducing agents.  
Stay away from strong oxidizing agents.  
**Conditions to avoid:** Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded.  
**Hazardous polymerization:** Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

<b>Eye contact</b>	May cause eye irritation.
<b>Skin contact</b>	May cause sensitization by skin contact. May cause skin irritation. May be harmful if absorbed through skin
<b>Ingestion</b>	Harmful if swallowed.
<b>Inhalation</b>	May cause irritation of respiratory tract.

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Azide	= 27 mg/kg ( Rat )	= 20 mg/kg ( Rabbit ) = 50 mg/kg ( Rat )	

### Sub-Chronic/Chronic Toxicity

No repeat dose data available.

### Specific effects

<b>Target Organ(s)</b>	Skin
<b>Reproductive effects</b>	Not available.
<b>Developmental effects</b>	Not available.
<b>Carcinogenic effects</b>	Not available.
<b>Genotoxic effects</b>	Not available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

<b>Ecotoxicity effects:</b>	This product has no known eco-toxicological effects.
<b>Aquatic toxicity effects:</b>	Sodium Azide is harmful to aquatic life at low concentrations. May cause long-term adverse effects in the aquatic environment

## 13. DISPOSAL CONSIDERATIONS

### **Waste from residues / unused products:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.  
This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

### **Contaminated packaging:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations..

## 14. TRANSPORT INFORMATION

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

## 15. REGULATORY INFORMATION

Components	SARA 313	SARA 302	CERCLA	CEPA
Sodium Azide	Listed	Listed	Listed	

### SARA (311, 312) hazard class

Immediate health:	Yes.
Delayed health:	None.
Fire:	None.
Sudden Release of Pressure Hazard:	None.
Reactivity:	None.

### State Regulations

Components	CAS Number	NJRTK	PARTK	MARTK	RIRTK
Sodium Azide (0.1%)	26628-22-8	Listed	Listed	Listed	Listed

### International Inventories

Components	TSCA	DSL	NDSL
Other Animal Protein (0.6%)	Not Listed	Not listed	Not Listed
Serum Albumin (0.5%)	X	X	Not Listed
Sodium Azide (0.1%)	X	X	Not Listed

### WHMIS:

WHMIS trade secret:	None.
WHMIS hazard class:	D2B Toxic Materials.



### Notes:

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substance Control Act.
5. WHMIS = Canadian Workplace Hazardous Materials Information System.
6. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

## 16. OTHER INFORMATION

This data sheet contains changes from the previous version in section(s):

None.

### MSDS format:

- North American Format - U.S. and Canada
- This Material Safety Data Sheet was prepared in accordance with ANSI Z400.1-2004.

### Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



**SAFETY DATA SHEET**

**Product code:** 7900001/4776

**Revision date:** 03-20-2014

**Company:** Janssen Diagnostics, LLC  
**Product name:** Anti-EpCAM Ferrofluid

**Product code:** 7900001/4776

**Page 1 of 5**

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Anti-EpCAM Ferrofluid  
**Product code:** 7900001/4776  
**Identified use:** Reagent

**Supplier:**  
Janssen Diagnostics, LLC  
700 US Highway Route 202 South  
Raritan, NJ 08869

**Manufacturer:** Janssen Diagnostics, LLC  
700 US Highway Route 202 South  
Raritan, NJ 08869

**Customer service telephone:** (800) 421-3311  
**Regional Emergency Telephone Number:** French 03 88 65 47 33  
Spanish 900 97 33 25  
**Transportation Emergencies:** (US and Ex-US)  
Phone: (800) 424-9300

**2. HAZARDS IDENTIFICATION**

**Emergency overview:** Product contains animal-derived material. May cause sensitization by skin contact.

**Properties affecting health:** May cause sensitization by skin contact.

This material is a controlled product under WHMIS.

**Principle routes of exposure:**

**Eye Contact:** Contact with eyes may cause irritation.  
**Skin contact:** May cause skin irritation.  
**Ingestion:** No effects expected. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
**Inhalation:** No effects expected. May cause irritation of respiratory tract

**Physico-chemical properties:** No hazards resulting from the material as supplied.

**Hazard information:**

**Target Organ(s):** Skin  
**Reproductive effects:** Unknown on product.  
**Mutagenic effects:** Unknown on product.



**Sensitization:** Unknown on product.

**Signs and symptoms:** Skin sensitization and irritation.

**Medical conditions aggravated by exposure:** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product contains animal-derived material.

#### Hazardous Components

Components	CAS Number	Synonyms	Weight %
Serum Albumin	9048-46-8		-
ProClin 300	PRO300		0.05

### 4. FIRST AID MEASURES

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

**Skin contact:** Wash off immediately with soap and plenty of water. Wash contaminated clothing before re-use. In the case of skin irritation or allergic reactions see a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not induce vomiting without medical advice. Consult a physician if necessary.

**Inhalation:** Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Use any extinguishing media which is suitable for the surrounding fire.

**Extinguishing media which must not be used for safety reasons:** None.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus and protective suit.

**Specific methods:** None.

**Hazardous combustion products:** Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, nitrogen oxides (NO<sub>x</sub>), Hydrogen chloride

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Ensure adequate ventilation. Wear suitable gloves and eye/face protection

**Environmental precautions:** Do not allow material to contaminate ground water system.

**Methods for cleaning up:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean contaminated surface thoroughly.

### 7. HANDLING AND STORAGE

#### Handling:

**Technical measures/precautions:** Use only in area provided with appropriate exhaust ventilation.

**Safe handling advice:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Avoid formation of aerosols. Avoid breathing vapors or mist.

#### Storage:

**Technical measures/storage conditions:** Keep containers tightly closed. Store according to labeled instructions. Keep at temperatures between 2 and 8°C

**Incompatible products:** Oxidizing agents.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	ACGIH (TWA - 8hr)	ACGIH (STEL)	ACGIH (Ceiling)	Skin Absorption	OSHA (TWA - 8hr)	OSHA (Ceiling)	OSHA (STEL)
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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Serum Albumin (-%) 9048-46-8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ProClin 300 (0.05%) PRO300	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Components	J&J - OEL (TWA - 8 hr)	J&J - PBOEL	J&J - OEL (STEL)	J&J - OEL (Ceiling)	ASL
ProClin 300 (0.05%) PRO300		Category 4			

**Engineering controls:** Ensure adequate ventilation.  
Eye baths, washing facilities, and safety shower.

### Personal protective equipment

**Eye protection:** Eye and face protection recommended when manufacturing product.  
**Hand protection:** Wear disposable gloves while handling kit reagents. Thoroughly wash hands afterwards.  
**Skin and body protection:** Skin protection recommended when manufacturing product.  
**Respiratory protection:** Respiratory protection dependent on airborne exposures.  
**Other/general protection:** None required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

**Physical state:** Liquid  
**Appearance:** Brown Liquid  
**Color:** Brown  
**Odor:** Odorless

### Important Health Safety and Environmental Information

**Flash point:** Not applicable.                      **Boiling point/range:** No information available.  
**pH:** Not applicable                                      **Water solubility:** Freely soluble

### Other information

**Explosivity:** None.

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable.  
**Materials to avoid:** Strong acids and strong bases.  
Reducing agents.  
Stay away from strong oxidizing agents.  
Acid chlorides.  
Acid anhydrides.  
**Conditions to avoid:** Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded.  
**Hazardous polymerization:** Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

<b>Eye contact</b>	May cause eye irritation.
<b>Skin contact</b>	May cause skin irritation. May cause sensitization by skin contact.
<b>Ingestion</b>	No effects expected. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Inhalation</b>	May cause irritation of respiratory tract.

### Sub-Chronic/Chronic Toxicity

No repeat dose data available.

### Specific effects

<b>Target Organ(s)</b>	Skin
<b>Reproductive effects</b>	Not available.
<b>Developmental effects</b>	Not available.
<b>Carcinogenic effects</b>	Not available.
<b>Genotoxic effects</b>	Not available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

<b>Ecotoxicity effects:</b>	This product has no known eco-toxicological effects.
<b>Aquatic toxicity effects:</b>	This product has no known aquatic toxicological effects.

## 13. DISPOSAL CONSIDERATIONS

### **Waste from residues / unused products:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.  
This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

### **Contaminated packaging:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations..

## 14. TRANSPORT INFORMATION

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

## 15. REGULATORY INFORMATION

### SARA (311, 312) hazard class

**Immediate health:** Yes.  
**Delayed health:** None.  
**Fire:** None.  
**Sudden Release of Pressure Hazard:** None.  
**Reactivity:** None.

### State Regulations

### International Inventories

Components	TSCA	DSL	NDSL
Serum Albumin (-%)	X	X	Not Listed
ProClin 300 (0.05%)	Not Listed	Not listed	Not Listed

### WHMIS:

**WHMIS trade secret:** None.  
**WHMIS hazard class:** D2B Toxic Materials.



### Notes:

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substance Control Act.
5. WHMIS = Canadian Workplace Hazardous Materials Information System.
6. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

## 16. OTHER INFORMATION

**This data sheet contains changes from the previous version in section(s):**

None.

### MSDS format:

- North American Format - U.S. and Canada  
This Material Safety Data Sheet was prepared in accordance with ANSI Z400.1-2004.

### Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



**SAFETY DATA SHEET**

**Product code:** 7900001/4777

**Revision date:** 03-20-2014

**Company:** Janssen Diagnostics, LLC

**Product name:** Staining Reagent

**Product code:** 7900001/4777

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Staining Reagent  
**Product code:** 7900001/4777  
**Identified use:** Reagent

**Supplier:**  
Janssen Diagnostics, LLC  
700 US Highway Route 202 South  
Raritan, NJ 08869

**Manufacturer:** Janssen Diagnostics, LLC  
700 US Highway Route 202 South  
Raritan, NJ 08869

**Customer service telephone:** (800) 421-3311  
**Regional Emergency Telephone Number:** French 03 88 65 47 33  
Spanish 900 97 33 25  
**Transportation Emergencies:** (US and Ex-US)  
Phone: (800) 424-9300

**2. HAZARDS IDENTIFICATION**

**Emergency overview:** Product contains animal-derived material. May cause sensitization by skin contact. May be harmful if swallowed. May be harmful if absorbed through skin

**Properties affecting health:** Harmful if swallowed.  
May be harmful in contact with skin.  
May cause sensitization by skin contact.

This material is a controlled product under WHMIS.

**Principle routes of exposure:**

<b>Eye Contact:</b>	Contact with eyes may cause irritation.
<b>Skin contact:</b>	May cause skin irritation. May cause sensitization by skin contact. May be harmful if absorbed through skin
<b>Ingestion:</b>	Harmful if swallowed.
<b>Inhalation:</b>	May cause irritation of respiratory tract

**Physico-chemical properties:** No hazards resulting from the material as supplied.

**Hazard information:**

**Target Organ(s)** Skin  
**Reproductive effects:** Unknown on product.  
**Mutagenic effects:** Unknown on product.  
**Sensitization:** May cause sensitization by skin contact.

**Signs and symptoms:** None.

**Medical conditions aggravated by exposure:** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous Components

Components	CAS Number	Synonyms	Weight %
Serum Albumin	9048-46-8		0.5
Sodium Azide	26628-22-8		0.1

### 4. FIRST AID MEASURES

**Eye contact:** In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical attention.

**Skin contact:** Wash off immediately with soap and plenty of water. Wash contaminated clothing before re-use. In the case of skin irritation or allergic reactions see a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth. Do not induce vomiting without medical advice. Obtain medical attention.

**Inhalation:** Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Use any extinguishing media which is suitable for the surrounding fire.

**Extinguishing media which must not be used for safety reasons:** None.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus and protective suit.

**Specific methods:** None.

**Hazardous combustion products:** Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, nitrogen oxides (NO<sub>x</sub>), Hydrogen chloride

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Ensure adequate ventilation. Wear suitable gloves and eye/face protection

**Environmental precautions:** Do not allow material to contaminate ground water system.

**Methods for cleaning up:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean contaminated surface thoroughly.

### 7. HANDLING AND STORAGE

**Handling:**

**Technical measures/precautions:** Use only in area provided with appropriate exhaust ventilation.

**Safe handling advice:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Avoid formation of aerosols. Avoid breathing vapors or mist.

**Storage:**

**Technical measures/storage conditions:** Keep containers tightly closed. Store according to labeled instructions. Keep at temperatures between 2 and 8°C

**Incompatible products:** Oxidizing agents.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	ACGIH (TWA - 8hr)	ACGIH (STEL)	ACGIH (Ceiling)	Skin Absorption	OSHA (TWA - 8hr)	OSHA (Ceiling)	OSHA (STEL)
Serum Albumin (0.5%) 9048-46-8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sodium Azide (0.1%) 26628-22-8	N/A	N/A	0.29 mg/m <sup>3</sup> 0.11 ppm	N/A	N/A	N/A	N/A

**Engineering controls:** Ensure adequate ventilation.  
Eye baths, washing facilities, and safety shower.

### Personal protective equipment

**Eye protection:** Eye and face protection recommended when manufacturing product.  
**Hand protection:** Wear disposable gloves while handling kit reagents. Thoroughly wash hands afterwards.  
**Skin and body protection:** Skin protection recommended when manufacturing product.  
**Respiratory protection:** Respiratory protection dependent on airborne exposures.  
**Other/general protection:** None required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

**Physical state:** Liquid  
**Appearance:** Liquid  
**Color:** Clear Pinkish-purple  
**Odor:** Odorless

### Important Health Safety and Environmental Information

**Flash point:** Not applicable.      **Boiling point/range:** No information available.  
**pH:** 7.5      **Water solubility:** Freely soluble

### Other information

**Explosivity:** None.

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable.  
**Materials to avoid:** Strong acids and strong bases.  
Reducing agents.  
Stay away from strong oxidizing agents.  
**Conditions to avoid:** Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded.  
**Hazardous polymerization:** Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

<b>Eye contact</b>	May cause eye irritation.
<b>Skin contact</b>	May cause sensitization by skin contact. May cause skin irritation. May be harmful if absorbed through skin
<b>Ingestion</b>	Harmful if swallowed.
<b>Inhalation</b>	May cause irritation of respiratory tract.

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Azide	= 27 mg/kg ( Rat )	= 20 mg/kg ( Rabbit ) = 50 mg/kg ( Rat )	

### Sub-Chronic/Chronic Toxicity

No repeat dose data available.

### Specific effects

<b>Target Organ(s)</b>	Skin
<b>Reproductive effects</b>	Not available.
<b>Developmental effects</b>	Not available.
<b>Carcinogenic effects</b>	Not available.
<b>Genotoxic effects</b>	Not available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

<b>Ecotoxicity effects:</b>	This product has no known eco-toxicological effects.
<b>Aquatic toxicity effects:</b>	Sodium Azide is harmful to aquatic life at low concentrations. May cause long-term adverse effects in the aquatic environment

## 13. DISPOSAL CONSIDERATIONS

### **Waste from residues / unused products:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.  
This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

### **Contaminated packaging:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations..



## 14. TRANSPORT INFORMATION

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

## 15. REGULATORY INFORMATION

Components	SARA 313	SARA 302	CERCLA	CEPA
Sodium Azide	Listed	Listed	Listed	

### SARA (311, 312) hazard class

Immediate health:	Yes.
Delayed health:	None.
Fire:	None.
Sudden Release of Pressure Hazard:	None.
Reactivity:	None.

### State Regulations

Components	CAS Number	NJRTK	PARTK	MARTK	RIRTK
Sodium Azide (0.1%)	26628-22-8	Listed	Listed	Listed	Listed

### International Inventories

Components	TSCA	DSL	NDSL
Serum Albumin (0.5%)	X	X	Not Listed
Sodium Azide (0.1%)	X	X	Not Listed

### WHMIS:

WHMIS trade secret:	None.
WHMIS hazard class:	D2B Toxic Materials.



### Notes:

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substance Control Act.
5. WHMIS = Canadian Workplace Hazardous Materials Information System.
6. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

## 16. OTHER INFORMATION

**This data sheet contains changes from the previous version in section(s):**

None.

### MSDS format:

- North American Format - U.S. and Canada
- This Material Safety Data Sheet was prepared in accordance with ANSI Z400.1-2004.

### Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



**SAFETY DATA SHEET**

**Product code:** 7900001/4778

**Revision date:** 03-20-2014

**Company:** Janssen Diagnostics, LLC  
**Product name:** Permeabilization Reagent

**Product code:** 7900001/4778  
**Page 1 of 5**

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Permeabilization Reagent  
**Product code:** 7900001/4778  
**Identified use:** Reagent

**Supplier:**  
Janssen Diagnostics, LLC  
700 US Highway Route 202 South  
Raritan, NJ 08869

**Manufacturer:** Janssen Diagnostics, LLC  
700 US Highway Route 202 South  
Raritan, NJ 08869

**Customer service telephone:** (800) 421-3311  
**Regional Emergency Telephone Number:** French 03 88 65 47 33  
Spanish 900 97 33 25  
**Transportation Emergencies:** (US and Ex-US)  
Phone: (800) 424-9300

**2. HAZARDS IDENTIFICATION**

**Emergency overview:** May be harmful if swallowed. May be harmful if absorbed through skin

**Properties affecting health:** Harmful if swallowed.

This material is not a controlled product under WHMIS.

**Principle routes of exposure:**

**Eye Contact:** Contact with eyes may cause irritation.  
**Skin contact:** May cause skin irritation. May be harmful if absorbed through skin  
**Ingestion:** Harmful if swallowed.  
**Inhalation:** May cause irritation of respiratory tract

**Physico-chemical properties:** No hazards resulting from the material as supplied.

**Hazard information:**

**Target Organ(s):** No significant organ toxicity expected.  
**Reproductive effects:** Unknown on product.  
**Mutagenic effects:** Unknown on product.  
**Sensitization:** Unknown on product.

**Signs and symptoms:** None.

**Medical conditions aggravated by exposure:** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous Components

Components	CAS Number	Synonyms	Weight %
Sodium Azide	26628-22-8		0.1

### 4. FIRST AID MEASURES

**Eye contact:** In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical attention.

**Skin contact:** Wash off immediately with soap and plenty of water. Wash contaminated clothing before re-use. In the case of skin irritation or allergic reactions see a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth. Do not induce vomiting without medical advice. Obtain medical attention.

**Inhalation:** Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Use any extinguishing media which is suitable for the surrounding fire.

**Extinguishing media which must not be used for safety reasons:** None.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus and protective suit.

**Specific methods:** None.

**Hazardous combustion products:** Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, nitrogen oxides (NO<sub>x</sub>), Hydrogen chloride

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Ensure adequate ventilation. Wear suitable gloves and eye/face protection

**Environmental precautions:** Do not allow material to contaminate ground water system.

**Methods for cleaning up:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean contaminated surface thoroughly.

### 7. HANDLING AND STORAGE

**Handling:**

**Technical measures/precautions:** Use only in area provided with appropriate exhaust ventilation.

**Safe handling advice:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Avoid formation of aerosols. Avoid breathing vapors or mist.

**Storage:**

**Technical measures/storage conditions:** Keep containers tightly closed. Store according to labeled instructions. Keep at temperatures between 2 and 8°C

**Incompatible products:** Oxidizing agents.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	ACGIH (TWA - 8hr)	ACGIH (STEL)	ACGIH (Ceiling)	Skin Absorption	OSHA (TWA - 8hr)	OSHA (Ceiling)	OSHA (STEL)
Sodium Azide (0.1%) 26628-22-8	N/A	N/A	0.29 mg/m <sup>3</sup> 0.11 ppm	N/A	N/A	N/A	N/A

**Engineering controls:** Ensure adequate ventilation.  
Eye baths, washing facilities, and safety shower.

**Personal protective equipment**

**Eye protection:** Eye and face protection recommended when manufacturing product.  
**Hand protection:** Wear disposable gloves while handling kit reagents. Thoroughly wash hands afterwards.  
**Skin and body protection:** Skin protection recommended when manufacturing product.  
**Respiratory protection:** Respiratory protection dependent on airborne exposures.  
**Other/general protection:** None required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**General Information**

**Physical state:** Liquid  
**Appearance:** Clear Liquid  
**Color:** Clear  
**Odor:** Odorless

**Important Health Safety and Environmental Information**

**Flash point:** Not applicable.                      **Boiling point/range:** No information available.  
**pH:** 7.5    **Water solubility:** Freely soluble

**Other information**

**Explosivity:** None.

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable.  
**Materials to avoid:** Strong acids and strong bases.  
Reducing agents.  
Stay away from strong oxidizing agents.  
**Conditions to avoid:** Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded.  
**Hazardous polymerization:** Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

**Eye contact**            May cause eye irritation.

**Skin contact**            May cause skin irritation.  
May be harmful if absorbed through skin

**Ingestion**                Harmful if swallowed.

**Inhalation**                May cause irritation of respiratory tract.

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Azide	= 27 mg/kg ( Rat )	= 20 mg/kg ( Rabbit ) = 50 mg/kg ( Rat )	

## 11. TOXICOLOGICAL INFORMATION

### Sub-Chronic/Chronic Toxicity

No repeat dose data available.

### Specific effects

**Target Organ(s)** No significant organ toxicity expected.  
**Reproductive effects** Not available.  
**Developmental effects** Not available.  
**Carcinogenic effects** Not available.  
**Genotoxic effects** Not available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Ecotoxicity effects:** This product has no known eco-toxicological effects.  
**Aquatic toxicity effects:** Sodium Azide is harmful to aquatic life at low concentrations. May cause long-term adverse effects in the aquatic environment

## 13. DISPOSAL CONSIDERATIONS

### **Waste from residues / unused products:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.  
This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

### **Contaminated packaging:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations..

## 14. TRANSPORT INFORMATION

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

## 15. REGULATORY INFORMATION

Components	SARA 313	SARA 302	CERCLA	CEPA
Sodium Azide	Listed	Listed	Listed	

### SARA (311, 312) hazard class

**Immediate health:** Yes.  
**Delayed health:** None.  
**Fire:** None.  
**Sudden Release of Pressure Hazard:** None.  
**Reactivity:** None.

### State Regulations

Components	CAS Number	NJRTK	PARTK	MARTK	RIRTK
Sodium Azide (0.1%)	26628-22-8	Listed	Listed	Listed	Listed

### International Inventories

Components	TSCA	DSL	NDSL
Sodium Azide (0.1%)	X	X	Not Listed

**WHMIS:**

**WHMIS trade secret:** None.  
**WHMIS hazard class:** None.

**Notes:**

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substance Control Act.
5. WHMIS = Canadian Workplace Hazardous Materials Information System.
6. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

## 16. OTHER INFORMATION

**This data sheet contains changes from the previous version in section(s):**

None.

**MSDS format:**

- North American Format - U.S. and Canada  
This Material Safety Data Sheet was prepared in accordance with ANSI Z400.1-2004.

**Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**