

MATERIAL SAFETY DATA SHEET

Cell-Based Assay Blocking Solution

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Cayman Chemical Company
1180 E. Ellsworth Rd.
Ann Arbor, MI 48108

Printed: 03/26/2009
Revision: 03/25/2009
Supersedes Revision: 08/22/2007
Date Created: 08/22/2007

1. Product and Company Identification

Product Code: 10009906
Product Name: Cell-Based Assay Blocking Solution
Manufacturer Information
Company Name: Cayman Chemical Company
Emergency Contact: Cayman Chemical Company (800)364-9897
Information: Cayman Chemical Company (734)971-3335
Chemical Family: EIA - Other

2. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TWA	Other Limits
1. Water	7732-18-5	93.862 %	No data.	No data.	No data.
2. Goat Serum	NA	5.0 %	No data.	No data.	No data.
3. Sodium azide	26628-22-8	0.04 %	No data.	No data.	No data.
4. Sodium chloride	7647-14-5	0.795 %	No data.	No data.	No data.
5. Trizma base	77-86-1	0.303 %	No data.	No data.	No data.
Hazardous Components (Chemical Name)	RTECS #	OSHA STEL	OSHA CEIL	ACGIH STEL	ACGIH CEIL
1. Water	ZC0110000	No data.	No data.	No data.	No data.
2. Goat Serum	NA	No data.	No data.	No data.	No data.
3. Sodium azide	VY8050000	No data.	No data.	No data.	0.29 mg/m3
4. Sodium chloride	VZ4725000	No data.	No data.	No data.	No data.
5. Trizma base	TY2900000	No data.	No data.	No data.	No data.

3. Hazards Identification

Emergency Overview: No data available.
Route(s) of Entry: Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes Other: Injection
Potential Health Effects (Acute and Chronic): Material may be irritating to the mucous membranes and upper respiratory tract.
May be harmful by inhalation, ingestion, or skin absorption.
May cause eye, skin, or respiratory system irritation.
The toxicological properties of this compound have not been fully evaluated.
Signs and Symptoms Of Exposure: No data available.

4. First Aid Measures

Emergency and First Aid Procedures:
If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 20 minutes. Have eyes examined and tested by medical personnel.
In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

5. Fire Fighting Measures

Flash Pt: No data.
Explosive Limits: LEL: No data. UEL: No data.

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Cell-Based Assay Blocking Solution

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Supercedes Revision: 08/22/2007

Heat Value: No data.
Particle Size: No data.
Corrosion Rate: No data.
pH: No data.
Appearance and Odor: A clear, colorless solution

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: No data available.
Incompatibility - Materials To Avoid: No data available.
Hazardous Decomposition Or Byproducts: No data available.
Hazardous Polymerization: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Polymerization: No data available.

11. Toxicological Information

: The toxicological effects of this compound have not been thoroughly studied.
Carcinogenicity/Other Information: No data available.
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

: Runoff from fire control or dilution water may cause pollution.

13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with local, state and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT)
DOT Proper Shipping Name No data available.
Additional Transport Information: Transport in accordance with local, state, and federal regulations.

15. Regulatory Information

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Water	7732-18-5	No	No	No	
2. Goat Serum	NA	No	No	No	
3. Sodium azide	26628-22-8	Yes 500 LB	Yes 1000 LB	Yes	
4. Sodium chloride	7647-14-5	No	No	No	
5. Trizma base	77-86-1	No	No	No	

US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
1. Water	7732-18-5	No		Inventory	
2. Goat Serum	NA	No		No	
3. Sodium azide	26628-22-8	No		Inventory	
4. Sodium chloride	7647-14-5	No		Inventory	
5. Trizma base	77-86-1	No		Inventory	

16. Other Information

Company Policy or Disclaimer

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DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

Product Information



Rabbit Anti-LDL Receptor Primary Antibody Catalog No. 10012422

COMMENTS:

A Material Safety Data Sheet on this material is not required as this substance is a naturally occurring animal product. However, we do recommend the following minimum precautions when using this substance:

- Do NOT get in eyes, on skin, or on clothing.
- Do NOT take internally.
- Wear protective gloves and safety glasses.
- Keep container closed.
- Store at correct temperature.
- Do NOT reuse this container.
- Do NOT release this material to the environment; dispose of by incineration in accordance with federal, state, and local regulations.
- Wash thoroughly after handling.

WARNING:

This material should be considered hazardous until information to the contrary becomes available. This product is not intended or approved for human or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death.

The above information is believed to be correct but should only be used as a guide. Cayman Chemical disclaims any express or implied warranty as to the accuracy of the above information and shall not be held liable for any direct, incidental, or consequential damages resulting from reliance on the above information.

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Revision Date: 03/25/2009

Cayman Chemical

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MATERIAL SAFETY DATA SHEET

LDL-DyLight™ 549

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Cayman Chemical Company
1180 E. Ellsworth Rd.
Ann Arbor, MI 48108

Printed: 03/26/2009
Revision: 03/25/2009

Date Created: 03/25/2009

1. Product and Company Identification

Product Code: 10011229
Product Name: LDL-DyLight™ 549
Manufacturer Information
Company Name: Cayman Chemical Company
Emergency Contact: Cayman Chemical Company (800)364-9897
Information: Cayman Chemical Company (734)971-3335

2. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
1. LDL-DyLight™ 549	NA	100.0 %	No data.	No data.

3. Hazards Identification

Emergency Overview: No data available.
Route(s) of Entry: Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes Other: Injection
Potential Health Effects (Acute and Chronic): Biohazard.
Handle as if capable of transmitting infectious agent.
Material may be irritating to the mucous membranes and upper respiratory tract.
May be harmful by inhalation, ingestion, or skin absorption.
May cause eye, skin, or respiratory system irritation.
The toxicological properties of this compound have not been fully evaluated.
Signs and Symptoms Of Exposure: No data available.

4. First Aid Measures

Emergency and First Aid Procedures: If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 20 minutes. Have eyes examined and tested by medical personnel.
In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

5. Fire Fighting Measures

Flash Pt: No data.
Explosive Limits: LEL: No data. UEL: No data.
Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.
Flammable Properties and Hazards: No data available.
Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray when fighting fires involving this material.
Unsuitable Extinguishing Media: No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Use Universal Precautions when cleaning up spilled material.
 Wear appropriate PPE, (gloves, safety glasses, lab coat).
 Sweep up material and place in biohazard container.
 Avoid raising dust.
 After removal, flush contaminated area and all cleaning materials with a 10% bleach solution.
 Place items unable to be cleaned with 10% bleach solution in biohazard container.

7. Handling and Storage

Hazard Label Information: Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation.
 Wash thoroughly after handling.

Precautions To Be Taken in Handling: Avoid breathing (dust, vapor, mist, gas).
 Avoid contact with eyes, skin, and clothing.
 Avoid prolonged or repeated exposure.
 Do not reuse this container.
 Use with adequate ventilation.
 Wash thoroughly after handling.

Precautions To Be Taken in Storing: Store at correct temperature.

Other Precautions: Use Universal Precautions when handling this material.

8. Exposure Controls/Personal Protection

Protective Equipment Summary - Hazard Label Information: Eye wash station in work area Lab coat Latex disposable gloves Safety glasses Safety shower in work area Vent Hood

Respiratory Equipment (Specify Type): No data available.

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Engineering Controls (Ventilation etc.): Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Work/Hygienic/Maintenance Practices: Do not take internally.
 Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
 Wash thoroughly after handling.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Melting Point: No data.

Boiling Point: No data.

Autoignition Pt: No data.

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data.

Specific Gravity (Water = 1): No data.

Bulk density: No data.

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate (vs Butyl Acetate=1): No data.

Solubility in Water: No data.

Percent Volatile: No data.

Heat Value: No data.

Particle Size: No data.

Corrosion Rate: No data.

pH: No data.

MATERIAL SAFETY DATA SHEET
LDL-DyLight™ 549

Appearance and Odor: A clear, colorless solution

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: No data available.
Incompatibility - Materials To Avoid: No data available.
Hazardous Decomposition Or Byproducts: No data available.
Hazardous Polymerization: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Polymerization: No data available.

11. Toxicological Information

: The toxicological effects of this compound have not been thoroughly studied.
Carcinogenicity/Other Information: No data available.
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

: Runoff from fire control or dilution water may cause pollution.

13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with local, state and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT)
DOT Proper Shipping Name No data available.
Additional Transport Information: Transport in accordance with local, state, and federal regulations.

15. Regulatory Information

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. LDL-DyLight™ 549	NA	No	No	No	

US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
1. LDL-DyLight™ 549	NA	No		No	

16. Other Information

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MATERIAL SAFETY DATA SHEET
DyLight™ 488-Conjugated Goat Anti-Rabbit
Secondary Antibody

Cayman Chemical Company
1180 E. Ellsworth Rd.
Ann Arbor, MI 48108

Printed: 03/26/2009
Revision: 03/25/2009

Date Created: 03/25/2009

1. Product and Company Identification

Product Code: 10011231
Product Name: DyLight™ 488-Conjugated Goat Anti-Rabbit Secondary Antibody
Manufacturer Information
Company Name: Cayman Chemical Company
Emergency Contact: Cayman Chemical Company (800)364-9897
Information: Cayman Chemical Company (734)971-3335

2. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV	Other Limits
1. DyLight™ 488-Conjugated Goat Anti-Rabbit Secondary Antibody	NA	50.0 %	No data.	No data.	No data.
2. Glycerol	56-81-5	50.0 %	10 ppm	10 mg/m3	No data.

Hazardous Components (Chemical Name)	RTECS #	OSHA STEL	OSHA CEIL	ACGIH STEL	ACGIH CEIL
1. DyLight™ 488-Conjugated Goat Anti-Rabbit Secondary Antibody	NA	No data.	No data.	No data.	No data.
2. Glycerol	MA8050000	No data.	No data.	No data.	No data.

3. Hazards Identification

Emergency Overview: No data available.
Route(s) of Entry: Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes Other: Injection
Potential Health Effects (Acute and Chronic): Material may be irritating to the mucous membranes and upper respiratory tract.
May be harmful by inhalation, ingestion, or skin absorption.
May cause eye, skin, or respiratory system irritation.
The toxicological properties of this compound have not been fully evaluated.
LD 50 / LC 50: Please refer to Section 11
Signs and Symptoms Of Exposure: Skin inflammation is characterized by itching, scaling, reddening, or, occasionally blistering.

4. First Aid Measures

Emergency and First Aid Procedures: If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 20 minutes. Have eyes examined and tested by medical personnel.
In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

5. Fire Fighting Measures

Flash Pt: No data.
Explosive Limits: LEL: No data. UEL: No data.
Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.
Flammable Properties and Hazards: May be combustible at high temperature.
Slightly flammable in presence of open flames, sparks, static discharge, heat, and oxidizing materials.

MATERIAL SAFETY DATA SHEET
DyLight™ 488-Conjugated Goat Anti-Rabbit
Secondary Antibody

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Corrosion Rate: No data.
pH: No data.
Appearance and Odor: A clear, colorless solution

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: No data available.
Incompatibility - Materials To Avoid: oxidizing agents
Hazardous Decomposition Or Byproducts: No data available.
Hazardous Polymerization: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Polymerization: No data available.

11. Toxicological Information

: The toxicological effects of this compound have not been thoroughly studied.

Glycerol
 Toxicity Data:
 Oral LD50 (mouse): 4090 mg/kg
 Irritation Data:
 Draize Test (Rabbit):
 Eyes: 500mg/24h mild
 Skin: 500 mg/24h mild

Carcinogenicity/Other Information: No data available.
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

: Runoff from fire control or dilution water may cause pollution.

13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with local, state and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT)
DOT Proper Shipping Name No data available.
Additional Transport Information: Transport in accordance with local, state, and federal regulations.

15. Regulatory Information

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. DyLight™ 488-Conjugated Goat Anti-Rabbit Secondary Antibody	NA	No	No	No	
2. Glycerol	56-81-5	No	No	No	

US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
1. DyLight™ 488-Conjugated Goat Anti-Rabbit Secondary Antibody	NA	No		No	
2. Glycerol	56-81-5	No		Inventory	

16. Other Information

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MATERIAL SAFETY DATA SHEET

Cell-Based Assay Fixative

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Cayman Chemical Company
1180 E. Ellsworth Rd.
Ann Arbor, MI 48108

Printed: 03/26/2009
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Date Created: 08/22/2007

1. Product and Company Identification

Product Code: 10009899
Product Name: Cell-Based Assay Fixative
Manufacturer Information
Company Name: Cayman Chemical Company
Emergency Contact: Cayman Chemical Company (800)364-9897
Information: Cayman Chemical Company (734)971-3335
Chemical Family: EIA - Other

2. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA TWA	ACGIH TWA	Other Limits
1. Formaldehyde	50-00-0	10.0 %	0.75 ppm	No data.	No data.
2. Water	7732-18-5	88.902 %	No data.	No data.	No data.
3. Trizma base	77-86-1	0.303 %	No data.	No data.	No data.
4. Sodium chloride	7647-14-5	0.795 %	No data.	No data.	No data.
Hazardous Components (Chemical Name)	RTECS #	OSHA STEL	OSHA CEIL	ACGIH STEL	ACGIH CEIL
1. Formaldehyde	LP8925000	2 ppm (15 min)	No data.	No data.	0.3 ppm
2. Water	ZC0110000	No data.	No data.	No data.	No data.
3. Trizma base	TY2900000	No data.	No data.	No data.	No data.
4. Sodium chloride	VZ4725000	No data.	No data.	No data.	No data.

3. Hazards Identification

Emergency Overview: Poisonous
Cannot be made nonpoisonous.
Formaldehyde is a known human carcinogen.
Irritant.
May be fatal or cause blindness if swallowed.
Irritating to the mucous membranes and upper respiratory tract.
Irritating to the eyes, skin, or respiratory system.
May be toxic by inhalation and ingestion.
Repeated or prolonged exposure increases the risk of cancer.
Vapors may be harmful.
The toxicological properties of this compound have not been fully evaluated.

Route(s) of Entry: Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes Other: Injection

Potential Health Effects (Acute and Chronic): Acute Effects:
Ingestion may cause burning of the mouth, throat, and stomach. Degenerative changes to the liver, heart, brain, and damage of the spleen, pancreas, central nervous system, and kidneys. Death can occur in hours or days. Acute effect due to inhalation and skin and eye contact range from irritation of eyes, skin, and mucous membranes to burning, difficulty breathing, respiratory tract injury, discoloration of skin, roughness and first degree burns. Aggravated sensitization response (extreme difficulty breathing, extreme rash and irritation is also noted.)

LD 50 / LC 50: Please refer to Section 11

Signs and Symptoms Of Exposure: Symptoms of inhalation may include difficulty in breathing, a burning sensation in the nose, throat, and coughing.
Symptoms of eye contact may include severe eye burns.
Symptoms of skin contact may include irritation, rash, or burning sensation.
Symptoms of ingestions may include burning of the mouth, throat, and stomach; diarrhea, vomiting, unconsciousness, death.

Cell-Based Assay Fixative

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Supersedes Revision: 08/22/2007

4. First Aid Measures

Emergency and First Aid Procedures:	<p>If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.</p> <p>If swallowed, unless unconscious or convulsing, give large amounts of water or milk to induce vomiting. Get immediate medical attention.</p> <p>In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 30 minutes. Have eyes examined and tested by medical personnel.</p> <p>In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.</p>
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5. Fire Fighting Measures

Flash Pt:	No data.
Explosive Limits:	LEL: No data. UEL: No data.
Fire Fighting Instructions:	<p>As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.</p> <p>Use flooding amounts of water spray to cool down sides of containers.</p>
Flammable Properties and Hazards:	<p>Combustible liquid.</p> <p>Vapors are explosive and extremely toxic.</p> <p>Moderate fire hazard when exposed to heat or flame.</p> <p>Containers may violently rupture in heat of fire.</p> <p>Vapors are heavier than air and may travel a considerable distance to a source of ignition and flash back.</p> <p>Vapor-air mixtures are explosive.</p> <p>Formaldehyde decomposes in heat of fire releasing toxic formic acid.</p>
Extinguishing Media:	Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray when fighting fires involving this material.
Unsuitable Extinguishing Media:	No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:	<p>Shut off ignition sources.</p> <p>Wear a NIOSH/MSHA approved self-contained breathing apparatus and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).</p> <p>Ventilate the area of spill or leak.</p> <p>Use water spray to reduce vapors.</p> <p>Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.</p> <p>After removal, ventilate contaminated area and flush thoroughly with water.</p>
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7. Handling and Storage

Hazard Label Information:	Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation. Wash thoroughly after handling.
Precautions To Be Taken in Handling:	<p>Avoid breathing (dust, vapor, mist, gas).</p> <p>Avoid contact with eyes, skin, and clothing.</p> <p>Avoid prolonged or repeated exposure.</p> <p>Do not reuse this container.</p> <p>Use with adequate ventilation.</p> <p>Wash thoroughly after handling.</p>
Precautions To Be Taken in Storing:	<p>Avoid contact with heat, sparks, flames, or other sources of ignition.</p> <p>Protect from direct sunlight.</p> <p>Store at correct temperature.</p> <p>Store away from incompatible substances.</p>

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Cell-Based Assay Fixative

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11. Toxicological Information

: The toxicological effects of this compound have not been thoroughly studied.

Formaldehyde
 Toxicity Data:
 Oral LD50 (rat): 800 mg/kg
 Oral LDLo (woman): 108 mg/kg
 Inhalation TLo (human): 17 mg/m³/30M, EYE, PUL
 Irritation Data:
 Skin (human): 150 micrograms/3D-I MLD
 Eye (human): 4ppm/5M
 Eye (human): 1ppm/6M nse MLD

Carcinogenicity/Other Information: Epidemiological studies and case reports indicate an excess occurrence of a number of cancers, but evidence for involvement of formaldehyde is strongest for nasal and nasopharyngeal cancer.

Carcinogenicity: NTP? Yes IARC Monographs? Yes OSHA Regulated? Yes

12. Ecological Information

: Avoid release into the environment - very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 Runoff from fire control or dilution water may cause pollution.

13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with local, state and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name: Formaldehyde, solutions, flammable
DOT Hazard Class: 3
DOT Hazard Label: FLAMMABLE LIQUID, CORROSIVE
UN/NA Number: UN1198
Packing Group: III
Additional Transport Information: Transport in accordance with local, state, and federal regulations.

15. Regulatory Information

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Formaldehyde	50-00-0	Yes 500 LB	Yes 100 LB	Yes	Yes
2. Water	7732-18-5	No	No	No	
3. Trizma base	77-86-1	No	No	No	
4. Sodium chloride	7647-14-5	No	No	No	

US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
1. Formaldehyde	50-00-0	HAP	Yes	Inventory	Yes
2. Water	7732-18-5	No		Inventory	
3. Trizma base	77-86-1	No		Inventory	
4. Sodium chloride	7647-14-5	No		Inventory	

16. Other Information

Company Policy or Disclaimer

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