

1. IDENTIFICATION

Product Identifier

Product Name Latex Injection Medium

Other means of identification

Product Code HXLIM
Synonyms Injection Medium

Recommended use of the chemical and restrictions on use

Recommended Use Dissection
Uses advised against None known

Details of the supplier of the safety data sheet

Supplier Address

Holden's Latex Corp.
121 Varick Street
New York, NY 10013

Emergency telephone number

Company Phone Number 212-741-1770
Emergency Telephone 212-741-1770

2. HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

None needed according to classification criteria

GHS Label elements

None needed according to classification criteria

Symbols

None needed according to classification criteria

Signal Word

None needed according to classification criteria

Hazard Statements

Harmful to aquatic life.

Precautionary Statements

None needed according to classification criteria

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
Specific treatment
IF ON SKIN: Wash with plenty of soap and water
Call a POISON CENTER or doctor/physician if you feel unwell
Remove/Take off immediately all contaminated clothing
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Rinse mouth

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Unknown acute toxicity 10% of the mixture consists of ingredients of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Ammonium Hydroxide	1336-21-6	<3
Zinc Dibutyldithiocarbamate	136-23-2	<0.2

Non-hazardous ingredients are proprietary and comprise the balance of the formulation.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Remove contact lenses. Consult a physician.
Skin contact	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
Inhalation	Remove to fresh air. If breathing is difficult seek medical attention.
Ingestion	Do NOT induce vomiting. Get immediate medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms	May cause irritation to skin and eyes. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use dry chemical and carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media	None known
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Specific hazards arising from the chemical

The product causes irritation of eyes, skin and mucous membranes.

Hazardous combustion products	Oxides of carbon, ammonia
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Fire fighting measures

Eliminate all sources of ignition, if possible. Move container from fire area, if possible.

Explosion data

Sensitivity to Mechanical Impact

No data available.

Sensitivity to Static Discharge

No data available.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation, especially in confined areas. Wear protective clothing and equipment. See section 8 for additional information.

Environmental precautions

Environmental precautions

See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up

Sweep, vacuum or shovel into appropriate container.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Use personal protection recommended in Section 8. Provide adequate ventilation. Avoid breathing vapors. Do not use if allergic to natural latex.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a cool, dry area. Protect from freezing.

Incompatible materials Strong acids. Strong bases. Salts.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control Parameters

Exposure Limits

Chemical Name	ACGIH TLV
Ammonium Hydroxide	1336-21-6
ACGIH	25 ppm TWA 35 ppm STEL
NIOSH	25 ppm TWA; 18 mg/m ³ TWA 35 ppm STEL; 27 mg/m ³ STEL 300 ppm IDLH
EU	20 ppm TWA; 14 mg/m ³ TWA 50 ppm STEL; 36 mg/m ³ STEL
OSHA	50 ppm TWA; 35 mg/m ³ TWA
Mexico	25 ppm TWA LMPE-PPT; 18 mg/m ³ TWA LMPE-PPT 35 ppm STEL LMPE-CT; 27 mg/m ³ STEL LMPE-CT

Appropriate Engineering Controls

Engineering Controls Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Property	Values
Physical state	Liquid
Appearance	Milky white liquid
Color	Milky white
Odor/Odor threshold	Ammonia
Odor threshold	No information available
pH	No information available
Melting point/freezing point	No information available
Boiling point/boiling range	100°C
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air (upper/lower)	No information available
Vapor pressure	760 mmHg at 100°C
Vapor density	0.63
Relative density	No information available
Water solubility	Miscible in water
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Protect from freezing. Avoid contact with incompatible materials.

Incompatible materials

Strong acids. Strong bases. Salts.

Hazardous Decomposition Products

Ammonia, oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.
Eye contact	May cause redness, burning, and itching.
Skin contact	May cause allergic skin reaction.
Ingestion	May cause gastric disturbances such as nausea, vomiting, and diarrhea.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ammonium Hydroxide 1336-21-6	350 mg/kg (Rat)	-	-
Zinc Dibutyldithiocarbamate 136-23-2	350 mg/kg (Rat)		2000 ppm 4 h (Rat)

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization Skin rashes, coughs, stuffy nose, asthma, and other allergic complaints and reactions.

Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Germ cell mutagenicity	No information available.
Tumorigenic data	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Medical conditions aggravated by exposure
No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

No information available.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT

UN/ID no. Not regulated

IATA

UN/ID no. Not regulated

IMDG

UN/ID no. Not regulated

TDG

UN/ID no. Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a toxic chemical in excess of 1% of the mixture (0.1% if a listed carcinogen) and is not subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

16. OTHER INFORMATION

	Health Hazards	Flammability	Instability	Properties
NFPA	2	0	0	-

	Health Hazards	Flammability	Physical Hazards	Personal Protection
HMIS	2	0	0	B

Disclaimer

The information provided in this SDS was compiled from sources that we believe are accurate and reliable. However, this information is provided without warranty, expressed or implied, regarding its correctness. It is the user's responsibility to determine the suitability of any material for a specific purpose and adopt such safety precautions as may be necessary. We do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of, or in any way connected with the handling, storage, use, or disposal of this product.