

## Material Safety Data Sheet

**HL-1 LIQUID COMPONENT OF 77201**

Version 1.0

Revision Date 2014.07.15

Print Date 2014.12.08

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : HL-1 LIQUID COMPONENT OF 77201  
Material number : 344017  
Product Use Description : Scientific research and development

Company : **Lonza Inc. - Rockland**  
191 Thomaston Street  
Rockland, ME 04841-2994  
USA  
Business Telephone: (207) 594-3400

**Lonza Inc. - Walkersville**  
8830 Biggs Ford Road  
Walkersville, MD 21793-0127  
USA  
Business Telephone (301) 898-7025

Emergency telephone number : 703-527-3887 (US: 800-424-9300)

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview****Non-hazardous substance**

Form: Aqueous solution, Colour: red, Odour: no data available

OSHA Hazards : NO OSHA HAZARDS

**Potential Health Effects**

Primary Routes of Entry : No hazards to be specially mentioned.  
Aggravated Medical Condition : No hazards to be specially mentioned.  
Inhalation : No hazards resulting from the material as supplied.  
Skin : No hazards resulting from the material as supplied.  
Eyes : No hazards resulting from the material as supplied.  
Ingestion : No hazards resulting from the material as supplied.  
Symptoms of Overexposure : No information available.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

No ingredients are hazardous according to OSHA criteria.

**SECTION 4. FIRST AID MEASURES****First aid procedures**

- Inhalation : No special precautions required.
- Skin contact : Wash with water and soap as a precaution.  
If skin irritation persists, call a physician.
- Eye contact : Immediately flush eye(s) with plenty of water.  
If eye irritation persists, consult a specialist.
- Ingestion : Immediately give large quantities of water to drink.  
Do not induce vomiting without medical advice.  
Never give anything by mouth to an unconscious person.

**Notes to physician**

- Symptoms : No information available.
- Treatment : No information available.

**SECTION 5. FIREFIGHTING MEASURES****Flammable properties**

- Flash point : Remarks: does not flash

**Fire fighting**

- Suitable extinguishing media : Water spray  
Dry powder  
Foam
- Further information : Use water spray to cool unopened containers.

**Protective equipment and precautions for firefighters**

- Specific hazards during firefighting : Heating or fire can release toxic gas.
- Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

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for firefighters

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Use personal protective equipment.
- Environmental precautions : Prevent product from entering drains.
- Methods for containment /  
Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**SECTION 7. HANDLING AND STORAGE****Handling**

- Handling : No special precautions required.
- Advice on protection against  
fire and explosion : Take precautionary measures against static discharges.

**Storage**

- Requirements for storage  
areas and containers : No special storage conditions required.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Contains no substances with occupational exposure limit values.

**Engineering measures**

- Engineering measures : Avoid splashes.

**Personal protective equipment**

- Eye protection : Tightly fitting safety goggles
- Hand protection : Wear suitable gloves., Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
No special protective equipment required.

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Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form : Aqueous solution  
Colour : red

Odour : no data available

**Safety data**

Flash point : Note: does not flash

pH : 6.9 - 7.6

Freezing point : Note: no data available

Boiling point/boiling range : Note: no data available

Density : Note: no data available

Water solubility : Note: soluble

**SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid : Remarks: no data available

Materials to avoid : Remarks: Strong oxidizing agents

Hazardous decomposition products : Note: No decomposition if stored normally.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Further information : No data is available on the product itself.

**SECTION 12. ECOLOGICAL INFORMATION**

Biodegradability : Remarks:

## Material Safety Data Sheet

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	no data available
Bioaccumulation	: Remarks: no data available
Acute Fish toxicity	: Remarks: no data available
Additional ecological information	: no data available

#### SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Can be disposed as waste water, when in compliance with local regulations.

#### SECTION 14. TRANSPORT INFORMATION

**DOT**  
Not dangerous goods

**TDG**  
Not dangerous goods

**IATA**  
Not dangerous goods

**IMDG-CODE**  
Not dangerous goods

**RID**  
Not dangerous goods

#### SECTION 15. REGULATORY INFORMATION

**OSHA Hazards** : No OSHA Hazards  
**WHMIS Classification** : UP UP: Uncontrolled product

**TSCA Status** : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

**DSL Status** : All ingredients in this product are in compliance with the Canadian Domestic Substance List.

**SARA 311/312 Hazards** : No SARA Hazards

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#### EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW

**SARA 313 Components** : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### US State Regulations

**Massachusetts Right To Know Components** : No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components** : Water 7732-18-5

**New Jersey Right To Know Components** : Water 7732-18-5

**California Prop. 65 Components** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

#### SECTION 16. OTHER INFORMATION

##### Further information

**HMIS Classification** : Health hazard: 1  
 Flammability: 0  
 Physical hazards: 0  
 Reactivity: 0

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.

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