

Safety Data Sheet



Trade Name: GL-830A USci PUR.GEL™ Copper with Copper Additive

SECTION 1. IDENTIFICATION

Issue Date: 7.9.2019

Product identifier used on the label: GL-830A USci PUR.GEL™ Copper with Copper Additive

Product Name: Polymer Gel

Other means of identification:

None

Recommended use of the chemical and restrictions on use:

Recommended use: Polyurethane gel additive

Recommended restrictions: Uses other than as recommended above

Company Name: Urethane Sciences, LLC

Company Address: 121 Cross Keys Road, Building E
Berlin, NJ 08009

Company Telephone: Phone: (856) 282-4506

Company Contact Email: info@usci.net

Emergency Phone: ChemTrec (24 Hours): 1-800-424-9300

(Outside of USA 202-366-4488)

SECTION 2: HAZARD(S) IDENTIFICATION

Physical hazards

No physical hazards identified under paragraph (d) of §1910.1200

Health hazards

None

Environmental hazards

Not adopted under OSHA GHS §1910.1200.

GHS Signal word: None

GHS Hazard statement(s): Not applicable

GHS Hazard symbol(s): None

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Precautionary statement(s):

Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention:

Not Applicable

Response:

Not Applicable

Disposal:

Dispose of contents/containers to an approved disposal site in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise Classified (HNOC): None known

SECTION 3: Composition/Information on ingredients

Mixture: Additive mixture for the production of polyurethane foam

CHEMICAL NAME	CAS #	Concentration (weight %)
Non- Hazardous Polymer Gel	Unknown	>99 %
Cuprous Oxide	1317-39-1	<1 %

SECTION 4: FIRST AID MEASURES

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

Inhalation: Remove person to fresh air. No known significant effects. Seek medical attention for any signs of wheezing and/or breathing difficulties. For additional advice call the medical emergency number on this SDS or your poison center or medical provider.

Skin contact: No known significant effects. Rinse the affected areas with water. Remove contaminated clothing, jewelry, and shoes. Wash/clean items before reuse. Seek medical attention for persistent skin pain or irritation. For additional advice call the medical emergency number on this SDS or your poison center or doctor.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Ingestion: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick

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as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed: Aside from the information presented above under First Aid measures, any additional known symptoms or effects are described in Section 11

Indication of immediate medical attention and special treatment needed: If any symptoms are observed, contact a physician and give them this SDS sheet. If concerned: Get medical advice/attention. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media: Use carbon dioxide or dry chemical.

Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

None known

Special protective equipment and precautions for fire-fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused adverse impacts (sewers, waterways, soil or air). See Section 12, Ecological Information.

Methods and materials for containment and cleaning up: Stop leak. Move containers from spill area. Use appropriate equipment to put the spilled substance in a container for reuse or disposal. Recover the

material and use it for the intended purpose or Dispose of via a licensed waste disposal contractor. See Section 13, Disposal Considerations, for additional information.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Wear protective work clothing, gloves, and safety goggles

Conditions for safe storage, including any incompatibles: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for more specific information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits have not been established for the substances listed in the composition

Exposure controls

Engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Eye/face protection: Where there is potential for eye contact, wear face shield or chemical goggles and have eye flushing equipment immediately available.

Skin protection

Hand protection: Wear appropriate protective clothing to prevent repeated or prolonged skin contact. Follow good industrial hygiene practices.

Other protection: Selection of specific items will depend on the operation. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Respiratory protection not normally needed since volatility and toxicity are low. If vapors, mists or aerosols are generated, wear an approved respirator. An approved air purifying respirator with dust/mist filter. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres or if exposure concentrations exceed ten (10) times the published limit.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
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Appearance

Physical state:	Gel Solid
Color:	Reddish/Brownish
Odor:	Odorless
Odor threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Non-flammable substance.
Upper/lower flammability or explosive limits	
Flammability limit – lower (%):	Not available
Flammability limit – upper (%):	Not available
Explosive limit – lower (%):	Not available
Explosive limit – upper (%):	Not available
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	Not available
Solubility (ies):	Not available
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity (dynamic):	Not available
% Volatile:	Not volatile at or near room temperature

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Not considered to be reactive.
Chemical stability:	Stable under normal ambient conditions and anticipated conditions of use.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	No specific data.
Incompatible materials:	Incompatible with some strong acids. Incompatible with some alkalis. Incompatible with halogens. Incompatible with oxidizers
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological information appears in this section when such data is available.

Acute toxicity

Acute oral toxicity

Very low toxicity to humans and animals

Single dose oral LD50 has not been determined.

Estimated LD50, rat > 2000 mg/kg

Acute dermal toxicity

No significant effects or critical hazards

Acute inhalation toxicity

Non-irritating to the respiratory system.

Skin corrosion/irritation

Non-irritating to the skin.

Serious eye damage/eye irritation

Non-irritating to the eyes.

Sensitization

No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Specific Target Organ Systemic Toxicity (Repeated Exposure)

No relevant data found.

Carcinogenicity

No relevant data found.

Teratogenicity

No relevant data found.

Reproductive toxicity

No relevant data found.

Mutagenicity

No relevant data found.

Aspiration Hazard

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Based on physical properties, not likely to be an aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological information appears in this section when such data is available.

Toxicity

Acute toxicity to fish: No known significant effects or critical hazards.

Persistence and degradability

Biodegradability: Readily biodegradable.

Bioaccumulative potential

Bioaccumulation: Not available

Mobility in soil

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: The generation of waste should be avoided or minimized wherever possible.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport Information

US Department of Transportation Classification (49CFR)

Not regulated for transport

Maritime transport IMDG

Not regulated for transport. Consult IMO regulations before transporting in bulk.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

No further relevant information available.

Air transport ICAO-TI and IATA-DGR

Not regulated for transport

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.

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No data available

SECTION 15: REGULATORY INFORMATION

USA:

United States Federal Regulations: This SDS complies with the OSHA, 29 CFR 1910.1200. The product is not hazardous under OSHA.

Toxic Substances Control Act (TSCA) – All components are on the U.S. EPA TSCA Inventory List.

CERCLA Hazardous Substance List, 40 CFR 302.4:

No components listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories:

Immediate Hazard - No

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard – No

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): None listed

Section 311 hazardous chemical: None listed

SARA Section 313 (Specific toxic chemical listings): None listed

STATE REGULATIONS:

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements, you should contact the appropriate agency in your state.

California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986): No components are listed on Prop 65.

SECTION 16: OTHER INFORMATION

Revision Date: 6/9/2020

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any legal liability for completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.