

Safety Data Sheet

Ultracide-RTU

Section 1

Product Description

Product Name: Ultracide-RTU

Recommended Use: Ready to Use Hospital grade disinfectant, odor eliminator and cleaner

Synonyms: None

Supplier Details:

Ultra Chem Labs Corp

4581 Brickell Privado St

Ontario, CA 91761 USA

1-909-605-1640

Emergency Telephone: 1-800-535-5053

Section 2

Hazard Identification

OSHA/HCS status :

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS label elements:

Hazard pictograms



Signal word : Category 2A

Hazard statements : Causes serious eye irritation

Precautionary statements:

Prevention : Eye protection as specified by the supplier or the competent authority.

Wash skin thoroughly after handling.

Avoid release in to the environment.

Response : If swallowed: Immediately call a Poison Center or doctor.

If on skin (or in hair): Wash with plenty of soap and water.

If skin irritation occurs, get medical attention immediately.

Storage : Store in a cool dry place at room temperature away from direct sunlight. Store in accordance to local regulations.

Disposal : Dispose of in accordance with all Local, State and Federal regulations.

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

Hazards not otherwise classified: Not known

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Section 3 Composition/Information on Ingredients

Chemical Name	CAS-No	Weight %	Trade Secret
2-(2-butoxyethoxy)ethanol	112-34-5	N/A	
tetrasodium ethylene diamine tetraacetate	64-02-8	N/A	

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4 First Aid Measures

Description of necessary first aid measures

Eye Contact:

Flush eyes with water for 15 minutes. Get medical attention.

Inhalation:

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Skin Contact:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion:

If conscious and alert, rinse mouth and drink 2-4 cups of milk or water. Get medical aid immediately.

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Section 5

Fire-fighting measures

Extinguishing Media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water, Carbon Dioxide, Dry Chemical, Foam.

Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical:

Not flammable or combustible.

Hazardous thermal decomposition products:

Decomposition products may include the following materials:

Carbon oxides

nitrogen oxides (NO_x)

Sulfur oxides

Oxides of phosphorus

Special protective actions for fire-fighters: Use personal protective equipment.

Special protective equipment for fire-fighters: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

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Section 6

Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment as needed. Refer to protective measures listed in sections 7 and 8.

For emergency responders:

If specialised 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 environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up:

To contain spilled material, dike area involved. Remove source of ignition and provide ventilation. To absorb product, use porous material such as diatomaceous earth, sand or a commercial absorbent. Using a shovel, place into leak proof containers.

WATER DISPOSAL METHOD: Dispose of according to local, state and federal regulations. Wear protective equipment as needed.

ENVIRONMENTAL PRECAUTIONS: Do not allow contact with soil, surface or ground water.

Section 7

Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities:

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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Section 8 Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

Appropriate engineering controls:

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures:

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 techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection:

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:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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Section 9

Physical and chemical properties

Appearance

Physical state: Liquid

Color: Clear Green

Odor: Double whisk

Odor threshold: Not available

pH: 10+- 0.5

Melting Point: Not available

Boiling point: >212°F

Flash point: 101°C

Evaporation rate: (Water=1):>1 (slower than water)

Flammability (solid, gas): Not available

Lower and upper explosive: Not available

(flammable) limits

Vapor pressure: 5.87 mmHg

Vapor density: 1.5 [Air = 1]

Specific gravity: 1.04 g/cm³

Solubility:100% in water

Partition coefficient: n-octanol/water: Not available

Auto-ignition temperature: Not available

Viscosity: Not available

VOC content: Not available.

Section 10

Stability and reactivity

Chemical stability: The product is stable.

Possibility of hazardous reactions:

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: None known

Incompatible materials: Strong reducing agents, acids, organic matter, cyanides (e.g. potassium cyanide, sodium cyanide), ammonium salts, cellulose, sodium thiosulfate, Acetanilide, chlorates, hypophosphites, and iodides. mercury salts, permanganates, sulfites, tannic acid.

Hazardous decomposition products: Hydrogen chloride, chlorine, Carbon monoxide, Carbon dioxide, nitrogen oxides (NO_x) and ammonia (NH₃).

Section 11

Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose
2-(2-Butoxyethoxy) ethanol	LD50 Oral	Rat	=470 mg/kg
tetrasodium ethylene diamine tetraacetate	LD50 Oral	Rat	=7200 mg/kg/kg

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Section 11

Toxicological information

Irritation/Corrosion

No information available

Sensitization

No information available

Mutagenicity

No information available

Carcinogenicity

No information available

Reproductive toxicity

No information available

Teratogenicity

No information available

Specific target organ toxicity (single exposure)

No information available

Specific target organ toxicity (repeated exposure)

No information available

Aspiration hazard

No information available

Information on the likely routes of exposure: No information available

Potential acute health effects

Eye contact : May cause irritation

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : May cause irritation to mouth and throat

Symptoms related to the physical, chemical and toxicological characteristics

Skin contact: No specific data.

Ingestion: No specific data.

Inhalation: No specific data.

Eye contact : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure:

Potential immediate effects: Not available

Potential delayed effects : Not available

Long term exposure

Potential immediate effects: Not available

Potential delayed effects : Not available

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Toxicological information

Potential chronic health effects

Not available

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Section 12

Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
2-(2-Butoxyethoxy) ethanol (112-34-5)	Lepomis macrochirus mg/L LC50 static 2950: Lepomis macrochirus mg/L LC50	Fish	48 hours
tetrasodium ethylene diamine tetraacetate	Lepomis macrochirus mg/L LC50static 59.8: 96 h Pimephales promelas mg/L LC50 static	Fish	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (KOC) : Not available

Other adverse effects : No known significant effects or critical hazards.

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Section 13

Disposal considerations

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 non-recyclable 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. Incineration or landfill should only be considered when recycling is not feasible. 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

DOT Classification: Not regulated

Additional Information: Keep from freezing

Special precautions for user:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15

Regulatory information

U.S. Federal regulations :

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act Section 112 : Not listed

(b) Hazardous Air

Pollutants (HAPs)

SARA 311/312

Classification : Immediate (acute) health hazard

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

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Section 15

Regulatory information

State regulations:

California Proposition 65

International regulations

Canada inventory : All components are listed or exempted.

CERCLA

This material, as supplied, contains no substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Clean Water Act

This product contains no substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Section 16

Other information

Hazardous Material Information System (U.S.A.)

Health		2
Flammability		1
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (NFPA)



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Other information

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