

Issue Date 18-May-2020

Revision Date 18-May-2020

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION**Product identifier****Product Name** RTU HARD SURFACE CLEANER DISINFECTANT**Other means of identification****Product Code** 5710**Recommended use of the chemical and restrictions on use****Recommended Use** Cleaner Disinfectant.**Uses advised against** Use only as stated on label.**Details of the supplier of the safety data sheet****Supplier** Alpha Chemical Services, Inc.
46 Morton Street
Stoughton, MA 02072
Phone: (800) 464-9872**Emergency telephone number****Emergency Telephone** Chemtrec 1-800-424-9300**2. HAZARDS IDENTIFICATION****Classification****OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Not classified
Acute toxicity - Dermal	Not classified
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

Label elements**Emergency Overview****Danger****Hazard statements**

Causes severe skin burns and eye damage

**Appearance** Clear**Physical state** Liquid**Odor** None**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Specific Treatment (See Section 4 on the SDS)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

Immediately call a POISON CENTER or doctor/physician

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Immediately call a POISON CENTER or doctor/physician

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)**Other Information**

Unknown Acute Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
2-(2-butoxyethoxy)ethanol	112-34-5	5-10	*
Tetrasodium EDTA	64-02-8	1-5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**First aid measures****Skin Contact**

Wash skin with soap and water.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.
Consult a physician

Inhalation

Remove to fresh air.

Ingestion

Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed**Symptoms**

No Information available.

Indication of any immediate medical attention and special treatment needed**Note to physicians**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No Information available.

Explosion data**Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** None.**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.**Environmental precautions****Environmental precautions** See Section 12 for additional ecological information.**Methods and material for containment and cleaning up****Methods for containment** Prevent further leakage or spillage if safe to do so.**Methods for cleaning up** Pick up and transfer to properly labeled containers.**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.**Conditions for safe storage, including any incompatibilities****Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.**Incompatible materials** None known based on information supplied.**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-(2-butoxyethoxy)ethanol 112-34-5	TWA: 10 ppm inhalable fraction and vapor	-	-
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³

*NIOSH IDLH Immediately Dangerous to Life or Health***Other Information**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

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 chemical resistant gloves.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene	Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Clear		
Odor	None	Odor threshold	No Information available
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	11.0 - 12.0		
Melting point/freezing point	No Information available		
Boiling point / boiling range	No Information available		
Flash point	None		
Evaporation rate	No Information available		
Flammability (solid, gas)	No Information available		
Flammability Limits in Air			
Upper flammability limit:	No Information available		
Lower flammability limit:	No Information available		
Vapor pressure	No Information available		
Vapor density	No Information available		
Specific Gravity	No Information available		
Water solubility	Complete		
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		
Viscosity	No Information available		
Explosive properties	No Information available		
Oxidizing properties	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

Extremes of temperature and direct sunlight.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	No data available
Inhalation	Causes burns.
Eye contact	Corrosive to the eyes and may cause severe damage including blindness.
Skin Contact	The product causes burns of eyes, skin and mucous membranes.
Ingestion	Causes burns.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-(2-butoxyethoxy)ethanol 112-34-5	= 5660 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms No Information available.

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

Corrosivity	Causes burns. Extremely corrosive and destructive to tissue. Risk of serious damage to eyes.
Sensitization	No Information available.
Germ cell mutagenicity	No Information available.
Carcinogenicity	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.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity
The following values are calculated based on chapter 3.1 of the GHS document .

12. ECOLOGICAL INFORMATION

Ecotoxicity

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
2-(2-butoxyethoxy)ethanol 112-34-5	100: 96 h Desmodesmus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static	2850: 24 h Daphnia magna mg/L EC50 100: 48 h Daphnia magna mg/L EC50
Tetrasodium EDTA 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	59.8: 96 h Pimephales promelas mg/L LC50 static 41: 96 h Lepomis macrochirus mg/L LC50 static	610: 24 h Daphnia magna mg/L EC50
Sodium Metasilicate 6834-92-0	-	210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50 static	216: 96 h Daphnia magna mg/L EC50
Alkyl dimethyl benzyl ammonium chloride 68391-01-5	-	1.3: 96 h Poecilia reticulata mg/L LC50 semi-static 0.823 - 1.61: 96 h Oncorhynchus mykiss mg/L LC50 static 2.4: 96 h Oryzias latipes mg/L LC50 semi-static 0.223 - 0.46: 96 h Lepomis macrochirus mg/L LC50 static	-

Trisodium nitrilotriacetate 5064-31-3	560 - 1000: 96 h <i>Chlorella vulgaris</i> mg/L EC50	93 - 170: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 252: 96 h <i>Lepomis macrochirus</i> mg/L LC50 560 - 1000: 96 h <i>Oryzias latipes</i> mg/L LC50 semi-static 72 - 133: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 560 - 1000: 96 h <i>Poecilia</i> <i>reticulata</i> mg/L LC50 560 - 1000: 96 h <i>Poecilia reticulata</i> mg/L LC50 semi-static 470: 96 h <i>Pimephales</i> <i>promelas</i> mg/L LC50 static 175 - 225: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 560 - 1000: 96 h <i>Oryzias latipes</i> mg/L LC50 114: 96 h <i>Pimephales promelas</i> mg/L LC50	560 - 1000: 48 h <i>Daphnia magna</i> mg/L LC50
Sodium Hydroxide 1310-73-2	-	45.4: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static	-

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**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

14. TRANSPORT INFORMATION**DOT**

Description
Emergency Response Guide
Number

UN 1903, Disinfectants, Liquid, Corrosive, n.o.s. (Quaternary Ammonium Compound), 8, III
154

15. REGULATORY INFORMATION**International inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Does not comply
AICS	Does not comply

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

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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
2-(2-butoxyethoxy)ethanol - 112-34-5	1.0

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
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**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-(2-butoxyethoxy)ethanol 112-34-5	X	-	X
Trisodium nitrilotriacetate 5064-31-3	-	X	-
Sodium Hydroxide 1310-73-2	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number 1839-83-10324

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. See the product label for the FIFRA hazard information as required on the pesticide label.

16. OTHER INFORMATION

NFPA	Health hazards 2	Flammability 0	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 2	Flammability 0	Physical hazards 0	Personal protection B

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Revision Note

No Information available

Disclaimer

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.

End of Safety Data Sheet

RTU HARD SURFACE CLEANER AND DISINFECTANT

Cleans, Disinfects and Deodorizes in One Easy Step



RTU Hard Surface Cleaner and Disinfectant is a ready-to-use cleaner and disinfectant that is highly effective against a wide variety of pathogenic microorganisms including bacteria, antibiotic resistant bacteria, viruses, fungi, mold and mildew, when used as directed.

EPA Registration Number: 1839-83-10634

RTU Hard Surface Cleaner and Disinfectant is approved for use on hard non-porous surfaces to kill and deactivate viruses similar to the virus that causes COVID-19.*

FOR USE IN:

Hospitals, nursing homes, shower rooms, locker rooms, public restrooms, schools, food processing plants, food service establishments, transportation terminals, office buildings, manufacturing facilities, lodging establishments, retail businesses, and athlete/recreational facilities

DISINFECTS HARD, NON-POROUS, INANIMATE ENVIRONMENTAL SURFACES:

Floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, chrome, brass, copper, laminated surfaces, baked enamel surfaces, bathrooms, shower stalls, bathtubs, and cabinets. For plastic and painted surfaces, spot test on an inconspicuous area before use. May be used in the kitchen on counters, sinks, appliances, and stovetops. A rinse with potable water is required for surfaces in direct contact with food. *Always read and follow the directions for use.*

DEODORIZES:

Areas that generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, basements, restrooms and other areas which are prone to odors caused by microorganisms.

RTU HARD SURFACE CLEANER AND DISINFECTANT

Cleans, Disinfects and Deodorizes in One Easy Step

FEATURES

- Proven effective against Norovirus, Canine Parvovirus, and other respiratory viruses including Human Coronavirus and Severe Acute Respiratory Syndrome (SARS) on hard non-porous surfaces
- Aids in reduction of cross-contamination in hospitals, lodging establishments, schools, institutions, food service establishments, public restrooms and more
- Ready-to-use
- Antibiotic-resistant bacterial efficacy
- Highly effective against a wide variety of pathogenic microorganisms including bacteria, antibiotic resistant bacteria, viruses, fungi, mold and mildew

BENEFITS

- EPA emerging viral pathogen claim for SARS-CoV-2*
- Cleans, disinfects and deodorizes in one easy step
- Pre-labeled and pre-filled quarts are safe, easy to use
- Convenient, reliable and simple to use
- RTU formula ensures correct ppm necessary for disinfection

*RTU Hard Surface Cleaner Disinfectant (EPA Reg # 1839-83-10634) has demonstrated effectiveness against viruses similar to SARS-CoV-2, a novel coronavirus, on hard, non-porous surfaces. Therefore, RTU Hard Surface Cleaner Disinfectant can be used against SARS-CoV-2 when used in accordance with the directions for use against Canine Parvovirus, Hepatitis A Virus (HAV), Poliovirus Type 1 on hard, non-porous surfaces. Refer to the CDC website (<https://www.cdc.gov/coronavirus/2019-ncov/index.html>) for additional information.

PACKAGING

6X1 quart cases

SPECIFICATIONS

PRODUCT CODE
5710

COLOR
CLEAR

FRAGRANCE
FRESH

SPECIFIC GRAVITY
0.998

PH
11.0 - 12.0

SOLUBILITY IN WATER
COMPLETE

EPA REGISTRATION NUMBER
1839-83-10634

EFFICACY

BACTERICIDAL ACTIVITY

Pseudomonas aeruginosa, *Staphylococcus aureus*, *Salmonella enterica*, *Escherichia coli*, *Escherichia coli* O157:H7, *Streptococcus pyogenes*, *Listeria monocytogenes*, *Yersinia enterocolitica*, *Enterococcus faecium*, *Corynebacterium ammoniagenes*
Leave surfaces wet for 3 minutes.

ANTIBIOTIC-RESISTANT BACTERICIDAL ACTIVITY

Methicillin resistant *Staphylococcus aureus* (MRSA), Vancomycin resistant *Enterococcus faecalis* (VRE), Vancomycin intermediate resistant *Staphylococcus aureus* (VISA), Methicillin resistant *Staphylococcus epidermidis* (MRSE), Community Associated Methicillin resistant *Staphylococcus aureus* (CA-MRSA) NRS 123 Genotype USA400, Community Associated Methicillin resistant *Staphylococcus aureus* (CA-MRSA) NRS 384 Genotype USA300
Leave surfaces wet for 3 minutes.

*VIRUCIDAL ACTIVITY

30 SECOND CONTACT TIME

Norovirus, Feline Calicivirus, Rabies Virus

1 MINUTE CONTACT TIME

HIV-1, Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Bovine Viral Diarrhea Virus (BVDV)

2 MINUTE CONTACT TIME

Human Coronavirus, SARS associated Coronavirus, Avian Influenza A strain H3N2, Avian Influenza A strain H9N2

3 MINUTE CONTACT TIME

Paramyxovirus (Mumps), Rhinovirus type 39 and Rotavirus

10 MINUTE CONTACT TIME

Canine Parvovirus, Hepatitis A Virus (HAV), Poliovirus Type 1

FUNGICIDAL ACTIVITY

RTU Hard Surface Cleaner and Disinfectant is fungicidal against the pathogenic fungus, *Trichophyton mentagrophytes* (Athlete's Foot Fungus) (a cause of ringworm), when used with a 10 minute contact time on clean, non-porous, hard surfaces as found in bathrooms, shower stalls, locker rooms, or other areas commonly contacted by bare feet.

NOTE: Please see appropriate label for directions for use.

SAFETY: For institutional and industrial use only. Be sure to read and understand the product label and Safety Data Sheet before using this or any other Alpha product. The label contains directions for use, and both the label and Safety Data Sheet contain hazard warnings, precautionary statements and first aid procedures. Safety Data Sheets for Alpha products are available from your authorized distributor or by calling 800.464.9872.

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