

Safety Data Sheet

1. IDENTIFICATION

Product Identifier

Product Name
Issue Date: 1-Sept-2014

Ron Glass Cleaner
Revision Date: 1-Sept-2014

Version 1

Other means of identification

SDS #

Recommended use of the chemical and restrictions on use

Recommended Use Industrial Cleaning Compound

Details of the supplier of the safety data sheet

Supplier Address

Ron Distributors
PO Box 291052
Port Orange, FL 32129-6769

Emergency Telephone Number

Company Phone Number 386-238-4245
Emergency Telephone (24 hr) 800-535-5053 Info Trac #97581

2. HAZARDS IDENTIFICATION

Physical State Liquid

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Flammable Liquids	Category 3

Hazards Not Otherwise Classified (HNOC)

None

Signal Word
Danger

Hazard Statements

Causes skin irritation
Causes serious eye Damage
Flammable liquid and vapor



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Keep away from heat/sparks/open flames/hot surfaces. No Smoking.

Precautionary Statements - Response

IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash it before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
In case of fire: Use dry chemical for extinction

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Precautionary Statements - Storage

Store in a well-ventilated place. Keep Cool.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Isopropanol	67-63-0	15-20
2-Butoxyethanol	111-76-2	1-5
Sodium Lauryl ether sulfate	6858-34-2	1-5
Monoethanolamine	141-43-5	1-5
Tetrasodium EDTA	64-02-8	1-5

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects

Symptoms	Contact may cause irritation and redness.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

<u>Unsuitable Extinguishing Media</u>	Not determined.
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Specific Hazards Arising from the Chemical

Non-flammable solution.

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 Use personal protective equipment as required.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Use personal protection recommended in Section 8. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing vapors or mists.

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

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol			
111-76-2	TWA: 25 ppm	TWA: 50 ppm	-
Monoethanolamine			
141-43-5	STEL: 6 ppm	3	3
TWA: 3 ppm TWA: 3 ppm TWA: 6 mg/m3 (vacated) TWA:3 ppm(vacated) TWA: 8 mg/m3(vacated) STEL: 6 ppm(vacated) STEL: 15 mg/m3 IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m STEL: 6 ppm STEL: 15 mg/m			
Isopropanol			
67-63-0	TWA: 200 ppm	980 mg/M3 400 ppm	-

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

- Eye/Face Protection** Avoid contact with eyes.
- Skin and Body Protection** Wear suitable protective clothing.
- Respiratory Protection** Ensure adequate ventilation, especially in confined areas.
- 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

Physical State	Liquid		
Appearance	Not determined	Odor	Not determined
Color	Blue	Odor Threshold	Not determined

Property	Values	Remarks • Method
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pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	Not determined	
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

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****Eye Contact**

Avoid contact with eyes.

Skin Contact

May cause an allergic skin reaction. Causes skin irritation. May be harmful in contact with skin.

Inhalation

Avoid breathing vapors or mists.

Ingestion

Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-Butoxyethanol -111-76-2	= 470 mg/kg (Rat)	= 2270 mg/kg (Rat) = 220 mg/ kg (Rabbit)	= 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h
Tetrasodium EDTA 64-02-8	= 10 g/kg (Rat)	-	-

Monoethanolamine T41-43-5	= 1720 mg/kg (Rat)	= 1 mL/kg (Rabbit) = 1025 mg/ kg (Rabbit)	-
Isopropanol 67-63-0	= 5840 mg/Kg (Rat)	> 12800 mg/Kg (Rabbit)	> 10000 ppm, 6h, Vapor rat
Sodium Lauryl Ether Sulfate: 6858-34-2	1000 mg/kg (Rat)	1000 mg/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

Symptoms

Please see section 4 of this SDS for symptoms.

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

Carcinogenicity

Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol 111-76-2	A3	Group 3		

Legend

*IARC (International Agency for Research on Cancer)
Group 3 IARC components are "not classifiable as human carcinogens"*

Numerical measures of toxicity

Calculated Acute Toxicity Estimate (Oral) for this mixture is >11,000 mg/Kg (Rat)

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not Determined

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-Butoxyethanol 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50
Tetrasodium EDTA 64-02-8	1.01: 72 h Desmodemus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static		610: 24 h Daphnia magna mg/L EC50

<p>Monoethanolamine 141-43-5</p>	<p>15: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50</p>	<p>227: 96 h Pimephales promelas mg/L LC50 flow-through 3684: 96 h Brachydanio rerio mg/L LC50 static 300 - 1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 114 - 196: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 200: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through</p>		<p>65: 48 h <i>Daphnia magna</i> mg/L EC50</p>
<p>Isopropanol 67-63-0</p>	<p>ErC50 green algae, static test, growth rate inhibition, 72 h: >1000 mg/L</p>	<p>LC50 fathead minnow, flow-through test, 96h: 9640 mg/L</p>	<p>-</p>	<p>LC50 water flea, immobilization, 24 h: >1000 mg/L</p>
<p>Sodium Lauryl Ether Sulfate: 6858-34-2</p>			<p>IC50: 34634 mg/L, <i>Baacteria</i>, 16h</p>	<p>10800: 48 h <i>Daphnia magna</i> mg/L LC50</p>

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Component Information

Chemical Name	Partition Coefficient
2-Butoxyethanol	111-76-2 0.81
Isopropanol	67-63-0 1.1

Other Adverse Effects

Not determined

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

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

Not Determined

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14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

15. REGULATORY INFORMATION

International Inventories

Not determined

US Federal Regulations

SARA 313

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %	
2-Butoxyethanol	111-76-2	111-76-2	1-10	1.0

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Diethanolamine - 111-42-2	Carcinogen

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U.S. State Right-to-Know Regulations

Not determined

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-Butoxyethanol	111-76-2	X	X
Monoethanolamine	141-43-5	X	X
Isopropanol:	67-63-0 X	X	X

16. OTHER INFORMATION**Issue Date:** 1-Sept-2014**Revision Date:** 1-Sept-2014**Revision Note:** New format**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