# WETROTECH

# **Safety Data Sheet**

Issue Date: 08-Sep-2010 Revision Date: 20-Apr-2015 Version 1

### 1. IDENTIFICATION

**Product Identifier** 

Product Name RTU Glass Cleaner

Other means of identification

SDS # MTC-011

Recommended use of the chemical and restrictions on use

Recommended Use Glass Cleaner.

Details of the supplier of the safety data sheet

**Supplier Address** 

MetroTech Chemicals, Inc. 2101 Wilkinson Blvd. Charlotte, NC 28208

**Emergency Telephone Number** 

**Company Phone Number** Phone: 1-704-525-3600

Fax: 1-704-525-5156

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

# 2. HAZARDS IDENTIFICATION

Appearance Liquid (blue) Physical State Liquid Odor Lemon

Classification

Flammable Liquids Category 4

Signal Word Warning

**Hazard Statements** 

Combustible liquid

**Precautionary Statements - Prevention** 

Keep away from heat/sparks/open flames/hot surfaces. No smoking Wear protective gloves/protective clothing/eye protection/face protection

<u>Precautionary Statements - Response</u>

IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage** 

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal** 

Dispose of contents/container to an approved waste disposal plant

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Ethylene Glycol Monobutyl Ether	111-76-2	<3

<sup>\*\*</sup>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 If splashed into eyes, flush with water for at least 15 minutes. If irritation continues, seek

medical attention.

**Skin Contact** Remove contaminated clothing and shoes. Wash exposed areas with soap and water. If

irritation persists, seek medical attention.

**Inhalation** If breathing problems develop, move to fresh air. If breathing is difficult, give oxygen. Keep

victim warm and quiet. If problems persists, seek medical attention.

**Ingestion** Seek medical attention. Do not induce vomiting. Place victim on left side with head down.

Do not leave the individual unattended.

### Most important symptoms and effects

Symptoms Will cause eye irritation. May cause skin irritation. Swallowing small amounts of material is

not likely to cause harmful effects. Inhalation of this material during normal handling is not

likely to cause harmful effects.

### Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

# 5. FIRE-FIGHTING MEASURES

# Suitable Extinguishing Media

Foam. Carbon dioxide (CO2). Dry chemical. Halon.

Unsuitable Extinguishing Media Water.

### **Specific Hazards Arising from the Chemical**

Vapors are heavier than air and may travel along the ground and ignite at a distant source.

Hazardous Combustion Products Carbon oxides.

### 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 Absorb liquid on vermiculite or other absorbent materials. Dike to prevent material from

reaching streams or other water sources. If runoff occurs notify authorities as required.

Dispose of waste in accordance with local, state or federal laws.

### 7. HANDLING AND STORAGE

### Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Keep away from

heat/sparks/open flames/hot surfaces. No smoking. Wear protective gloves/protective

clothing and eye/face protection.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store in a well-ventilated place. Keep cool.

Incompatible Materials Strong oxidizing agents.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene Glycol Monobutyl Ether	TWA: 20 ppm	TWA: 50 ppm	IDLH: 700 ppm
111-76-2		TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm	TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
		(vacated) TWA: 120 mg/m <sup>3</sup>	
		(vacated) S*	
		S*	

### **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

AppearanceLiquidOdorLemon

Color Blue Odor Threshold Not determined

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pH Not determined Melting Point/Freezing Point Not determined

Boiling Point/Boiling Range 154.4-196.1 °C / 310-385 °F

Flash Point >60 °C / >140 °F **Evaporation Rate** Not determined Flammability (Solid, Gas) Not determined **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

VOC Content <3% Density ~1.0

# 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

## **Chemical Stability**

Stable under recommended storage conditions.

### **Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization** Under normal conditions of storage and use, hazardous polymerization will not occur.

# **Conditions to Avoid**

Keep out of reach of children.

### **Incompatible Materials**

Strong oxidizing agents.

### **Hazardous Decomposition Products**

Carbon oxides.

# 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Product Information** 

**Eye Contact** Avoid contact with eyes.

**Skin Contact** Avoid contact with skin.

Inhalation Do not inhale.

Ingestion Do not ingest.

### **Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene Glycol Monobutyl Ether 111-76-2	= 470 mg/kg (Rat)	= 99 mg/kg(Rabbit)	= 450 ppm (Rat) 4 h
1-Butoxy-2-propanol 5131-66-8	= 5600 µL/kg ( Rat )	= 3100 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 Group 3 IARC components are "not classifiable as human carcinogens".

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethylene Glycol Monobutyl	A3	Group 3		
Ether				
111-76-2				

# Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

### **Numerical measures of toxicity**

Not determined

# 12. ECOLOGICAL INFORMATION

# **Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

# **Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
Ethylene Glycol Monobutyl		1490: 96 h Lepomis		1000: 48 h Daphnia magna
Ether		macrochirus mg/L LC50		mg/L EC50 1698 - 1940: 24
111-76-2		static 2950: 96 h Lepomis		h Daphnia magna mg/L
		macrochirus mg/L LC50		EC50

# Persistence/Degradability

Not determined.

### **Bioaccumulation**

Not determined.

# **Mobility**

Chemical Name	Partition Coefficient
Ethylene Glycol Monobutyl Ether	0.81
111-76-2	

### **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.

# 14. TRANSPORT INFORMATION

Note According to 49 CFR §173.150(f)(1), this material should be reclassified as "NA1993,

Combustible Liquid, N.O.S." if it is shipped in bulk.

**DOT** Not regulated

IATA Not determined

IMDG Not regulated

# 15. REGULATORY INFORMATION

### **International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Ethylene Glycol Monobutyl	Present	Χ		Present		Present	X	Present	Χ	Χ
Ether										

### 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

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

# US Federal Regulations

### 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).

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

# **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)

### **US State Regulations**

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

# U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethylene Glycol Monobutyl Ether 111-76-2	X	X	X
Sodium Sulfate 7757-82-6		X	X

# **16. OTHER INFORMATION**

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	Not determined	Not determined	Not determined	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	Not determined	Not determined	Not determined	Not determined

Issue Date:08-Sep-2010Revision Date:20-Apr-2015Revision 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**