

## 1 IDENTIFICATION

<b>Issue Date</b>	24-Aug-2022
<b>Revision Date</b>	01-Oct-2021
<b>Product Identifier</b>	
<b>Product Description</b>	Maxisafe Lens Cleaning Solution
<b>Other Means of Identification</b>	
<b>SDS #</b>	HLC-001
<b>Product Code/s</b>	ELC446, ELS463, ELS452, ELS466
<b>Recommended Use of the Chemical and Restrictions on Use</b>	
<b>Recommended Use</b>	Lens Cleaner
<b>Details of the Supplier of the Safety Data Sheet</b>	
<b>Supplier Address</b>	Techware P/L 30 Bonview Circuit Truganina. VIC. 3029
<b>Emergency Telephone Number</b>	
<b>Company Phone Number</b>	1300 062 947 or (03) 9369 7000
<b>Emergency Telephone</b>	Poisons Information Centre 13 11 26 (24 hours a day / 7 days a week)

## 2 HAZARDS IDENTIFICATION

**Appearance** Clear, pale pink or pale blue liquid      **Physical state** Liquid      **Odor** Mild citrus

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight %
Deionized Water		>90
Ethylene Glycol Monobutyl Ether	111-76-2	5-10

\*\*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

### Description of First Aid Measures

<b>Eye Contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin Contact</b>	Wash with soap and water.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

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## Most Important Symptoms and Effects, Both Acute and Delayed Symptoms

Causes mild skin irritation.

## Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Doctor

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

Not determined.

### Specific Hazards Arising from the Chemical

Not determined.

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

## 6 ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions

Avoid contact with skin, eyes or clothing.

### 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 Clean-Up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). 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. Avoid contact with skin and eyes. Keep out of the reach of children.

### 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.

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## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

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

### 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** Refer to AS/NZS 13371:2010 for eye and face protection regulations.

**Skin and Body Protection** Refer to the relevant standard for your type of PPE.

**Respiratory Protection** Refer to AS/NZS 1715-2009 for respiratory protection requirements.

**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	Clear, pale pink or pale blue liquid
Colour	Clear, pale pink or pale blue
Odor	Mild citrus
Odor Threshold	Not determined

Property	Values	Remarks • Method
pH	7	
Melting Point / Freezing Point	Not determined	
Boiling Point / Boiling Range	100 °C / 210 °F	
Flash Point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air		
Upper Flammability or Explosive Limits	Not determined	
Lower Flammability or Explosive Limits	Not determined	
Vapor Pressure	Not determined	
Vapor Density	1.3	
Relative Density	1.010	
Water Solubility	Soluble in water	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

### Other Information

VOC Content 5.09

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## 10 STABILITY AND REACTIVITY

<b>Reactivity</b>	Not reactive under normal conditions.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Keep out of reach of children.
<b>Incompatible Materials</b>	None known based on information supplied.
<b>Hazardous Decomposition Products</b>	None known based on information supplied.

## 11 TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Causes mild skin irritation.
<b>Inhalation</b>	Do not inhale.
<b>Ingestion</b>	Do not ingest.

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene Glycol Monobutyl Ether 111-76-2	= 470 mg/kg ( Rat )	= 435 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h = 486 ppm ( Rat ) 4 h
Sodium Bicarbonate 144-55-8	= 4220 mg/kg ( Rat )	-	-

### Symptoms Related to the Physical, Chemical and Toxicological Characteristics

**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 Ether 111-76-2	A3	Group 3		

#### 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

The following values are calculated based on chapter 3.1 of the GHS document

<b>Oral LD50</b>	9,216.00 mg/kg	<b>ATEmix (Inhalation-Dust/Mist)</b>	43.33 mg/L
<b>Dermal LD50</b>	21,569.00 mg/kg	<b>ATEmix (inhalation-vapor)</b>	43.33 mg/L

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## 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	Crustacea
Ethylene Glycol Monobutyl Ether 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	1000: 48 h Daphnia magna mg/L EC50
Sodium Bicarbonate 144-55-8		8250 - 9000: 96 h Lepomis macrochirus mg/L LC50 static	2350: 48 h Daphnia magna mg/L EC50

### Persistence/Degradability

Not determined.

### Bioaccumulation

There is no data for this product.

### Mobility

Chemical name	Partition coefficient
Ethylene Glycol Monobutyl Ether 111-76-2	0.81

### 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

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

### DOT

Not regulated

### IATA

Not regulated

### IMDG

Not regulated

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## 15 REGULATORY INFORMATION

### International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/ NDSL	EINECS/ ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Ethylene Glycol Monobutyl Ether	X	ACTIVE	X	X	X	X	X	X	X
Sodium Bicarbonate	X	ACTIVE	X	X	X	X	X	X	X
Citrus Oils	X	ACTIVE	X			X	X	X	X

#### 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*

## 16 OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards</b> 1	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Special Hazards</b> Not determined
<b>HMIS</b>	<b>Health Hazards</b> 1	<b>Flammability</b> 0	<b>Physical hazards</b> 0	<b>Personal Protection</b> Not determined

**Issue Date** 24-Aug-2022

**Revision Date** 01-Oct-2021

**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**