

### 1. Product and Company Identification

**Material name**                      **Uvex Clear Lens Cleaner**  
**Version #**                              02  
**Issue date**                            21-October-2013  
**Revision date**                        21-October-2013  
**Supersedes date**                    -  
**CAS #**                                    Mixture  
**Product code**                        # S461, S463, S464, S467  
**Product use**                            Lens cleaner.  
**Manufacturer information**  
**Company name:**                    Sperian Eye & Face Protection Inc. (a Honeywell Company)  
**Address:**                              825 East Highway 151  
     Platteville, WI 53818 USA  
**Telephone:**                          1-800-543-4842  
**E-mail:**                                Not available.  
**Emergency phone number:**      1-800-430-5490

### 2. Hazards Identification

**Physical state**                        Liquid.  
**Appearance**                         Clear tinted liquid.  
**Emergency overview**                Causes skin and eye irritation.  
**OSHA regulatory status**              This product is hazardous according to OSHA 29 CFR 1910.1200.  
**Potential health effects**  
     **Eyes**                                    Causes eye irritation.  
     **Skin**                                    Causes skin irritation.  
     **Inhalation**                            Under normal conditions of intended use, this material is not expected to be an inhalation hazard.  
     **Ingestion**                            No harmful effects expected in amounts likely to be ingested by accident.  
**Target organs**                        Eyes. Skin.  
**Signs and symptoms**                No adverse effects due to eye contact are expected.  
**Potential environmental effects**    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.

### 3. Composition / Information on Ingredients

Components	CAS #	Percent
2-Butoxyethanol	111-76-2	<6

**Composition comments**            All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First Aid Measures

**First aid procedures**  
     **Eye contact**                        Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.  
     **Skin contact**                        Wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.  
     **Inhalation**                            If symptomatic, move to fresh air. Get medical attention if symptoms persist.  
     **Ingestion**                            Seek medical advice.  
**Notes to physician**                    Treat symptomatically.

### 5. Fire Fighting Measures

**Flammable properties**              No unusual fire or explosion hazards noted.

<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	No restrictions known.
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	None.
<b>Fire fighting equipment/instructions</b>	Self-contained breathing apparatus operated in positive pressure mode and full protective clothing must be worn in case of fire.
<b>Hazardous combustion products</b>	Carbon oxides.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Wear appropriate personal protective equipment (See Section 8).
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.
<b>Methods for cleaning up</b>	Stop leak if you can do so safely. Absorb spill with appropriate sand, clay or other inert sorbent material, then place in appropriate waste container.  Large Spills: Flush area with water. Treat runoff per applicable environmental regulations pertaining to drains, water courses and ground water, diking if required.

## 7. Handling and Storage

<b>Handling</b>	Observe good industrial hygiene practices. Avoid inhalation of vapors and contact with skin and eyes.
<b>Storage</b>	Keep container closed. Store away from incompatible materials. Do not allow material to freeze.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value
2-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
2-Butoxyethanol (CAS 111-76-2)	PEL	240 mg/m <sup>3</sup> 50 ppm

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
2-Butoxyethanol (CAS 111-76-2)	TWA	97 mg/m <sup>3</sup> 20 ppm

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
2-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
2-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
2-Butoxyethanol (CAS 111-76-2)	TWA	97 mg/m3
		20 ppm

Mexico. Occupational Exposure Limit Values

Components	Type	Value
2-Butoxyethanol (CAS 111-76-2)	STEL	360 mg/m3
		75 ppm
	TWA	120 mg/m3
		26 ppm

Exposure guidelines

**Mexico OELs: Skin designation**

2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin.

**US - California OELs: Skin designation**

2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin.

**US - Tennessee OELs: Skin designation**

2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin.

**US. NIOSH: Pocket Guide to Chemical Hazards**

2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin.

**US. OSHA Table Z-1-A (29 CFR 1910.1000)**

2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin.

**Engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye / face protection**

Risk of splashes: Wear safety glasses with side shields (or goggles).

**Skin protection**

Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.

**Respiratory protection**

Use suitable protective equipment.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical & Chemical Properties**

<b>Appearance</b>	Clear tinted liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Clear tinted.
<b>Odor</b>	Slight odor.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Vapor pressure</b>	22 mm Hg (20°C/68°F)
<b>Vapor density</b>	Not available.
<b>Boiling point</b>	212 °F (100 °C)
<b>Melting point/Freezing point</b>	Not available.
<b>Solubility (water)</b>	Completely soluble in water.
<b>Specific gravity</b>	0.98
<b>Flash point</b>	> 212.0 °F (> 100.0 °C)
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.

**Auto-ignition temperature** Not available.  
**Evaporation rate** < 1 (Butyl acetate=1)

## 10. Chemical Stability & Reactivity Information

**Chemical stability** Material is stable under normal conditions.  
**Conditions to avoid** Contact with incompatible materials. Freezing. Elevated temperatures.  
**Incompatible materials** Strong oxidizers, strong acids, and strong bases.  
**Hazardous decomposition products** No hazardous decomposition products are known.  
**Possibility of hazardous reactions** Hazardous polymerization does not occur.

## 11. Toxicological Information

### Toxicological data

Components	Species	Test Results
2-Butoxyethanol (CAS 111-76-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	400 mg/kg
<i>Inhalation</i>		
LC50	Rat	450 mg/l, 4 Hours
<i>Oral</i>		
LD50	Rat	560 mg/kg
<b>Sensitization</b>	Not a skin or respiratory sensitizer.	
<b>Acute effects</b>	Causes skin and eye irritation.	
<b>Local effects</b>	Prolonged contact may cause dryness of the skin.	
<b>Chronic effects</b>	Not classified.	
<b>Carcinogenicity</b>	Not classified.	
<b>ACGIH Carcinogens</b>		
2-Butoxyethanol (CAS 111-76-2)		A3 Confirmed animal carcinogen with unknown relevance to humans.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
2-Butoxyethanol (CAS 111-76-2)		3 Not classifiable as to carcinogenicity to humans.
<b>Symptoms and target organs</b>	Causes skin and eye irritation.	

## 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.  
**Environmental effects** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
**Persistence and degradability** No data available.  
**Bioaccumulation / Accumulation** The product is not expected to bioaccumulate.  
**Partition coefficient**  
2-Butoxyethanol (CAS 111-76-2) 0.83  
**Mobility in environmental media** No data available.

## 13. Disposal Considerations

**Waste codes** Waste codes should be assigned by the user based on the application for which the product was used.  
**Disposal instructions** Dispose in accordance with all applicable regulations. Do not allow runoff to sewer, waterway or ground.  
**Waste from residues / unused products** Dispose of in accordance with local regulations.

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**14. Transport Information****DOT**

Not regulated as a hazardous material by DOT.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**TDG**

Not regulated as dangerous goods.

**15. Regulatory Information****US federal regulations**

This product is hazardous according to OSHA 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****Hazard categories**

Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance (40 CFR 355, Appendix A)**

No

**SARA 311/312 Hazardous chemical**

Yes

**Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)**

Not controlled

**WHMIS status**

Controlled

**WHMIS classification**

D2B - Other Toxic Effects-TOXIC

**WHMIS labeling****Inventory status****Country(s) or region****Inventory name****On inventory (yes/no)\***

Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**US - California Hazardous Substances (Director's): Listed substance**

2-Butoxyethanol (CAS 111-76-2) Listed.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Not listed.

**US - New Jersey RTK - Substances: Listed substance**

2-Butoxyethanol (CAS 111-76-2) Listed.

**US. Massachusetts RTK - Substance List**

2-Butoxyethanol (CAS 111-76-2) Listed.

**US. New Jersey Worker and Community Right-to-Know Act**

Not regulated.

**US. Pennsylvania RTK - Hazardous Substances**

2-Butoxyethanol (CAS 111-76-2) Listed.

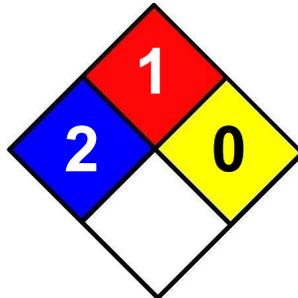
**Mexico regulations** This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

**16. Other Information**

**Further information** HMIS® is a registered trade and service mark of the NPCA.  
I - Safety Glasses, Gloves, Dust, Vapor Respirator

**HMIS® ratings**  
Health: 2  
Flammability: 1  
Physical hazard: 0

**NFPA Ratings**



**Disclaimer** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.