

HAGER WORLDWIDE, INC.

SAFETY DATA SHEET

1. Product and Company Identification

Material name: Uvex Clear Lens Cleaning Towelette

Version # 02

Issue date: 10/21/2015

Revision date: 10/21/2015

CAS #: Mixture

Product code: S468

Product use: Lens cleaning towelette

Manufacturer information:

Company name: Hager Worldwide, Inc.

Address: 441 19th Street SE

Hickory, NC 28602

Telephone: 1-800-328-2335

E-mail: contact@hagerworldwide.com

Emergency phone number: 1-800-328-2335

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

<u>Components</u>	<u>CAS#</u>	<u>Percent</u>
<u>2-Butoxyethanol</u>	<u>111-76-2</u>	<u><6</u>

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.

Extinguishing media:

Suitable extinguishing media: Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media: No restrictions known.

Protection of firefighters:

Specific hazards arising from the chemical: None.

Fire fighting equipment/instructions: Self-contained breathing apparatus operated in positive pressure mode and full protective clothing must be worn in case of fire.

Hazardous combustion products: Carbon oxides.

6. Accidental Release Measures

Personal precautions: Wear appropriate personal protective equipment (See Section 8).

Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

Methods for cleaning up: 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

Handling: Observe good industrial hygiene practices. Avoid inhalation of vapors and contact with skin and eyes.

Storage: 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

<u>Components</u>	<u>Type</u>	<u>Value</u>
<u>2-Butoxyethanol (CAS 111-76-2)</u>	<u>TWA</u>	<u>20 ppm</u>

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

<u>Components</u>	<u>Type</u>	<u>Value</u>
<u>2- Butoxyethanol (CAS 111-76-2)</u>	<u>PEL</u>	<u>240 mg/m3</u>
		<u>50 ppm</u>

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

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

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

<u>Components</u>	<u>Type</u>	<u>Value</u>
<u>2-Butoxyethanol (CAS 111-76-2)</u>	<u>TWA</u>	<u>20 ppm</u>

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

<u>Components</u>	<u>Type</u>	<u>Value</u>
<u>2-Butoxyethanol (CAS 111-76-2)</u>	<u>TWA</u>	<u>20 ppm</u>

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

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

Mexico. Occupational Exposure Limit Values

<u>Components</u>	<u>Type</u>	<u>Value</u>
2-Butoxyethanol (CAS 111-76-2)	STEL	360 mg/m ³
		75 ppm
	TWA	120 mg/m ³
		<u>26 ppm</u>

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

Appearance: Clear tinted liquid.

Physical state: Liquid.

Form: Liquid.

Color: Clear tinted.

Odor: Slight odor.

Odor threshold: Not available.

pH: Not available.

Vapor pressure: 22 mm Hg (20°C/68°F)

Vapor density: Not available.

Boiling point 212 °F (100 °C)

Melting point/Freezing point: Not available.

Solubility (water): Completely soluble in water.

Specific gravity: 0.98

Flash point: > 212.0 °F (> 100.0 °C)

Flammability limits in air, upper, % by volume: Not available.

Flammability limits in air, lower, % by volume: 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

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
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2-Butoxyethanol (CAS 111-76-2)

Acute

Dermal

LD50

Rabbit

400 mg/kg

Inhalation

LC50	Rat	450 mg/l, 4 Hours
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Oral

LD50	Rat	560 mg/kg
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Sensitization Not a skin or respiratory sensitizer.

Acute Effects Causes skin and eye irritation.

Local effects Prolonged contact may cause dryness of the skin.

Chronic effects Not classified.

Carcinogenicity Not classified.

ACGIH Carcinogens

2-Butoxyethanol (CAS 111-76-2)	A3 Confirmed animal carcinogen with unknown relevance to humans.
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IARC Monographs. Overall Evaluation of Carcinogenicity

2-Butoxyethanol (CAS 111-76-2)	3 Not classifiable as to carcinogenicity to humans.
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Symptoms and target organs 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 (40CFR 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	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
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:

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.

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