Safety Data Sheet

Issue Date: 27-May-2016 **Revision Date:** 16-Aug-2021 **Version** 2

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

SDS # UO-010-EU
Product Name ClearView Lens Cleaner

Contains Ethyl alcohol

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Lens cleaner

1.3. Details of the Supplier of the Safety Data Sheet

Manufacturer
Ultra Optics Company
9200 Wyoming Avenue N.
Suite 360
Brooklyn Park, MN 55455

For further information, please contact

Contact Point Ultra Optics Company Phone: 1-763-488-6030
Email Address rholscher@ultraoptics.com

1.4. Emergency telephone number

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.2. Label Elements

Product Identifier
Contains Ethyl alcohol
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Signal Word
None

2.3. Other Hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 MIXTURES

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Ethyl Alcohol	Present	64-17-5	<5	Flam. Liq. 2 (H225)	Not determined
n-Propyl acetate	Present	109-60-4	<1	(EUH066) Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	Not determined
Isopropyl Alcohol	Present	67-63-0	<1	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	Not determined

Full text of H- and EUH-phrases: see section 16
This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General Advice Provide this SDS to medical personnel for treatment.

Eye Contact 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.

Skin Contact IF ON SKIN: Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Inhalation Remove to fresh air. Seek medical attention if breathing becomes difficult or symptoms develop.

Ingestion Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms May cause eye, skin and respiratory tract irritation.

4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician Treat symptomatically.

Section 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media
Water spray (fog). Carbon dioxide (CO2). Foam. Dry chemical.

Unsuitable Extinguishing Media
Not determined.

5.2. Special Hazards Arising from the Substance or Mixture
Thermal decomposition can lead to release of irritating and toxic gases and vapours.

5.3. Advice for Firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions
Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

For Emergency Responders
Use personal protection recommended in Section 8.

6.2. Environmental Precautions

See Section 12 for additional Ecological Information.

6.3. 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. Place in appropriate containers for disposal.

6.4. Reference to Other Sections

See Section 13: DISPOSAL CONSIDERATIONS.

Section 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Advice on Safe Handling
Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials. Avoid high temperatures.

7.3. Specific End Use(s)

Specific Use(s)
Lens cleaner.

Risk Management Methods (RMM)
The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Exposure Limits

Chemical name	European Union	United Kingdom	France	Spain	Germany
Ethyl Alcohol 64-17-5	-	STEL: 3000 ppm STEL: 5760 mg/m^3 TWA: 1000 ppm TWA: 1920 mg/m^3	TWA: 1000 ppm TWA: 1900 mg/m^3 STEL: 5000 ppm STEL: 9500 mg/m^3	STEL: 1000 ppm STEL: 1910 mg/m^3	TWA: 200 ppm TWA: 380 mg/m^3
Isopropyl Alcohol 67-63-0	-	STEL: 500 ppm STEL: 1250 mg/m^3 TWA: 400 ppm TWA: 999 mg/m^3	STEL: 400 ppm STEL: 980 mg/m^3	STEL: 400 ppm STEL: 1000 mg/m^3 TWA: 200 ppm TWA: 500 mg/m^3	TWA: 200 ppm TWA: 500 mg/m^3
n-Propyl acetate 109-60-4	-	STEL: 250 ppm STEL: 1060 mg/m^3 TWA: 200 ppm TWA: 849 mg/m^3	TWA: 200 ppm TWA: 840 mg/m^3	STEL: 250 ppm STEL: 1060 mg/m^3 TWA: 200 ppm TWA: 849 mg/m^3	-
Chemical name	**Italy**	**Portugal**	**Netherlands**	**Finland**	**Denmark**
Ethyl Alcohol 64-17-5	-	TWA: 1000 ppm	Skin STEL: 1900 mg/m^3 TWA: 260 mg/m^3	TWA: 1000 ppm TWA: 1900 mg/m^3 STEL: 1300 ppm STEL: 2500 mg/m^3	TWA: 1000 ppm TWA: 1900 mg/m^3
Isopropyl Alcohol 67-63-0	-	STEL: 400 ppm TWA: 200 ppm	-	TWA: 200 ppm TWA: 500 mg/m^3 STEL: 250 ppm STEL: 620 mg/m^3	TWA: 200 ppm TWA: 490 mg/m^3
n-Propyl acetate 109-60-4	-	STEL: 250 ppm TWA: 200 ppm	-	TWA: 100 ppm TWA: 420 mg/m^3 STEL: 200 ppm STEL: 850 mg/m^3	TWA: 150 ppm TWA: 625 mg/m^3
Chemical name	**Austria**	**Switzerland**	**Poland**	**Norway**	**Ireland**
Ethyl Alcohol 64-17-5	STEL 2000 ppm STEL 3800 mg/m^3 TWA: 1000 ppm TWA: 1900 mg/m^3	STEL: 1000 ppm STEL: 1920 mg/m^3 TWA: 500 ppm TWA: 960 mg/m^3	TWA: 1900 mg/m^3	TWA: 500 ppm TWA: 950 mg/m^3 STEL: 625 ppm STEL: 1187.5 mg/m^3	STEL: 1000 ppm
Isopropyl Alcohol 67-63-0	STEL 800 ppm STEL 2000 mg/m^3 TWA: 200 ppm TWA: 500 mg/m^3	STEL: 400 ppm STEL: 1000 mg/m^3 TWA: 200 ppm TWA: 500 mg/m^3	STEL: 1200 mg/m^3 TWA: 900 mg/m^3	TWA: 100 ppm TWA: 245 mg/m^3 STEL: 150 ppm STEL: 306.25 mg/m^3	TWA: 200 ppm STEL: 400 ppm Skin
n-Propyl acetate 109-60-4	STEL 100 ppm STEL 420 mg/m^3 TWA: 100 ppm TWA: 420 mg/m^3 Ceiling 100 ppm Ceiling 420 mg/m^3	STEL: 200 ppm STEL: 840 mg/m^3 TWA: 100 ppm TWA: 420 mg/m^3	STEL: 400 mg/m^3 TWA: 200 mg/m^3	TWA: 100 ppm TWA: 420 mg/m^3 STEL: 150 ppm STEL: 525 mg/m^3	TWA: 100 ppm STEL: 150 ppm

8.2. Exposure Controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations. Ventilation systems.

Personal Protective Equipment

Eye/Face Protection Wear appropriate chemical goggles.

Hand Protection Wear suitable gloves.

Skin and Body Protection Suitable protective clothing.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical state	Liquid		
Appearance	Liquid	**Odour**	Not determined
Colour	Not determined	**Odour Threshold**	Not determined

Property	**Values**	**Remarks • Method**
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)	Liquid-Not applicable	
Flammability Limit in Air		
Upper flammability or explosive limits	Not determined	
Lower flammability or explosive limits	Not determined	
Vapour Pressure	Not determined	
Vapour Density	Not determined	
Relative Density	Not determined	
Water Solubility	Not determined	
Solubility(ies)	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	
Oxidising Properties	Not determined	

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not reactive under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of Hazardous Reactions

Hazardous Polymerisation

Hazardous polymerisation does not occur.

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to Avoid

Incompatible Materials. Keep out of reach of children.

10.5. Incompatible Materials

Oxidisers.

10.6. Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute toxicity

Product Information

Inhalation Do not inhale.
Eye Contact Avoid contact with eyes.
Skin Contact Avoid contact with skin.
Ingestion Do not ingest.

The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (inhalation-dust/mist) 6,563.20 mg/L

Unknown Acute Toxicity

1.9 % of the mixture consists of ingredient(s) of unknown toxicity.
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
1.9 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
1.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
1.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol	= 7060 mg/kg (Rat)		= 124.7 mg/L (Rat) 4 h
Isopropyl Alcohol	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m^3 (Rat) 4 h
n-Propyl acetate	= 8700 mg/kg (Rat)	> 17756 mg/kg (Rabbit)	

Skin corrosion/irritation Not classified.

Serious eye damage/eye irritation Not classified.

Sensitisation Not classified.

Germ cell mutagenicity Not classified.

Carcinogenicity Not classified.

Reproductive toxicity Not classified.

STOT - single exposure Not classified.

STOT - repeated exposure Not classified.

Aspiration hazard Not classified.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Ethyl Alcohol		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static
n-Propyl acetate		56 - 64: 96 h Pimephales promelas mg/L LC50 flow-through 56 - 64: 96 h Pimephales promelas mg/L LC50 static	
Isopropyl Alcohol	1000: 72 h Desmodesmus subspicatus mg/L EC50 1000: 96 h Desmodesmus subspicatus mg/L EC50	11130: 96 h Pimephales promelas mg/L LC50 static 9640: 96 h Pimephales promelas mg/L LC50 flow-through 1400000: 96 h Lepomis macrochirus µg/L LC50	13299: 48 h Daphnia magna mg/L EC50

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

Chemical name	Partition coefficient
Ethyl Alcohol	-0.32
Isopropyl Alcohol	0.05

12.4. Mobility in Soil

Mobility
Not determined.

12.5. Results of PBT and vPvB Assessment

Not determined.

12.6. Other Adverse Effects

Not determined.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

IMDG
14.2 Proper Shipping Name Not regulated

RID
14.2 Proper Shipping Name Not regulated

ADR
14.2 Proper Shipping Name Not regulated

IATA
14.2 Proper Shipping Name Not regulated

Section 15: REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

National Regulations
France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
Ethyl Alcohol 64-17-5	RG 84	
n-Propyl acetate 109-60-4	RG 84	
Isopropyl Alcohol 67-63-0	RG 84	

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work **.**

Authorisations and/or restrictions on use:
This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ELINCS	PICCS	ENCS	IECSC	AICS	KECL
Ethyl Alcohol 64-17-5 (<5)	X	X	X	X	X	X	X	X
Isopropyl Alcohol 67-63-0 (<1)	X	X	X	X	X	X	X	X
n-Propyl acetate 109-60-4 (<1)	X	X	X	X	X	X	X	X

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment
No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under section 3
EUH066 - Repeated exposure may cause skin dryness or cracking
H225 - Highly flammable liquid and vapour
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness

Legend
SVHC: Substances of Very High Concern for Authorisation:

Legend **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Classification Procedure
Calculation method

Issue Date: 27-May-2016

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Revision Note: SDS sections updated.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2015/830

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