

# SAFETY DATA SHEET

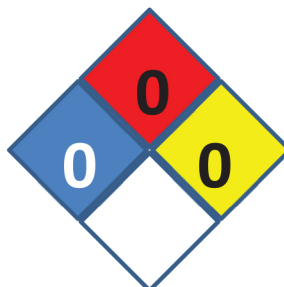
OSHA HCS (29 CFR 1910.1200)

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product identifier**  
GHS Product Identifier: Not applicable.  
Chemical Name: Not applicable.  
Trade name: Ultra Clarity® Lens Cleaner  
CAS No.: Mixture
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified use(s): Optics cleaner solution  
Uses advised against: None.
- 1.3 Details of the supplier of the safety data sheet**  
Company Identification: Nanofilm Ltd  
Telephone: +1 (800) 883-6266  
Fax: +1 (216) 447-1137  
E-Mail (competent person): [info@nanofilmtechnology.com](mailto:info@nanofilmtechnology.com)
- 1.4 Emergency telephone number**  
Emergency Phone No.: CHEMTREC 24 hr. (800) 424-9300 or +1 (703) 527-3887 (Collect call accepted)

## SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**  
OSHA HCS (29 CFR 1910.1200): Not classified as dangerous for supply/use.
- 2.2 Label elements**  
Hazard Symbol: None
- 2.3 Other hazards**: None
- 2.4 Additional Information**



HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
Personal Protection	

NFPA Rating

HMIS (Hazardous Material Information System)

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Hazardous ingredient(s)	%W/W	CAS No.	Hazard statement(s)
Isopropyl Alcohol	4-6	67-63-0	Flammable liquid. Irritating to eyes. May be harmful if swallowed.
Water	>94	7732-18-5	None anticipated
Other*	---	---	-----

\*Ingredients present at <0.1%

### 3.3 Additional Information - None

## SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

- Inhalation: If symptoms occur, obtain medical attention.
- Skin Contact: Wash skin with water. If symptoms occur, obtain medical attention.
- Eye Contact: If substance has got into the eyes, wash out with water. If symptoms occur, obtain medical attention.
- Ingestion: Drink one glass of water. Do not induce vomiting. If symptoms occur obtain medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

May cause eye irritation.

### 4.3 Indication of the immediate medical attention and special treatment needed

None

## SECTION 5: FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media**  
-Suitable Extinguishing Media: Non-combustible  
-Unsuitable Extinguishing Media: None anticipated.
- 5.2 Special hazards arising from the substance or mixture**: Non-combustible
- 5.3 Advice for fire-fighters**: As appropriate for surrounding fire.  
>90% Water - Will not support combustion

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**: Not normally required.
- 6.2 Environmental precautions**: Not normally required.

- 6.3 Methods and material for containment and cleaning up** Contain and cover spilled substance with dry sand or earth or other suitable dry material. Transfer to a container for disposal or recovery. Provide adequate ventilation.
- 6.4 Reference to other sections** None
- 6.5 Additional Information** None.

## SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Wash affected skin with plenty of water. Remove contaminated clothing and wash clothing before reuse. Provide adequate ventilation. Avoid contact with skin, eyes or clothing.
- 7.2 Conditions for safe storage, including any incompatibilities**
- Storage Temperature Store at room temperature.
  - Incompatible materials None
- 7.3 Specific end use(s)** Optics cleaner solution

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)		STEL (ppm)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Isopropyl alcohol	67-63-0	400	200	----	400	----

- LTEL: Long Term Exposure Limit; - STEL: Short Term Exposure Limit

- 8.1.2 Recommended monitoring method** NIOSH 1400

### 8.2 Exposure controls

- 8.2.1 Appropriate engineering controls** Not normally required.

#### 8.2.2 Personal protection equipment

Eye/face protection



Not required under normal consumer use.  
Industrial use: Safety spectacles

Skin protection (Hand protection/ Other)



Not required under normal consumer use.  
Industrial use: Wear suitable gloves if prolonged skin contact is likely.

Respiratory protection



Not required under normal consumer use.  
Industrial use: In case of inadequate ventilation wear respiratory protection.

Thermal hazards

Not normally required.

#### 8.2.3 Environmental Exposure Controls

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Greenish. Blue.
Odour	Not available.
Odour Threshold (ppm)	Not available.
pH (Value)	7
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	Not determined.
Flash Point (°C)	51 (124 °F) Pensky-Martens closed cup >90% Water - Will not support combustion
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Explosive limit ranges	Not available.
Vapour Pressure (Pascal)	Not available.
Vapour Density (Air=1)	Not available.
Density (g/ml)	Not available.
Specific Gravity	0.95 @ 22°C
Solubility (Water)	Soluble
Solubility (Other)	Not known
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (mPa·s) @ 22°C	<10
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

### 9.2 Other information

Not available.

## SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity** Stable under normal conditions.
- 10.2 Chemical stability** Stable.
- 10.3 Possibility of hazardous reactions** None anticipated.
- 10.4 Conditions to avoid** Heat.
- 10.5 Incompatible materials** None
- 10.6 Hazardous Decomposition Product(s)** Carbon monoxide

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

- 11.1.1 Substances**  
Not applicable

#### 11.1.2 Mixtures

Acute toxicity	Not available.
Irritation	Not available.
Corrosivity	Not available.
Sensitisation	Not available.
Repeated dose toxicity	Not available.
Carcinogenicity	IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen.
Mutagenicity	Not available.
Toxicity for reproduction	Not available.

#### 11.1.3 Substances in preparations / mixtures

IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen.

Isopropyl Alcohol (CAS No.67-63-0)

**Acute toxicity**

- Oral: LD50 = 5.84 g/kg (rat)
- Inhalation: LC50 > 1000 ppm (rat) 6 hour(s)
- Dermal: LD50 = 16.4 ml/kg (rabbit) 24 hour(s)

**Irritant**

- Irritating to eyes.

**Sensitisation**

- It is not a skin sensitizer.

**Repeated dose toxicity**

- NOAEL = 5,000 ppm (Inhalation)

11.2 **Other information** None known.

**SECTION 12: ECOLOGICAL INFORMATION**

12.1 **Toxicity**

**Substances in preparations / mixtures**

Isopropyl Alcohol (CAS No.67-63-0)

**Biodegradability**

- Biodegradable

**Bioaccumulative potential**

- The product has no potential for bioaccumulation.

**Acute toxicity**

- LC50(96 hour): 10,000 mg/l (Fathead minnow (*Pimephales promelas*))
- LC50 24hour(s): >10,000 mg/l (*Daphnia magna*)

**Long Term Toxicity**

- NOEC: 3.37 µmol/l (*Daphnia magna*) (Growth rate)

12.2 **Persistence and degradability** The organic part of the product is biodegradable.  
 12.3 **Bioaccumulative potential** The product has no potential for bioaccumulation.  
 12.4 **Mobility in soil** The product has high mobility in soil.  
 12.5 **Results of PBT and vPvB assessment** Not classified as PBT or vPvB.  
 12.6 **Other adverse effects** None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

13.1 **Waste treatment methods** Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.  
 13.2 **Additional Information** None known.

**SECTION 14: TRANSPORT INFORMATION**

**In accordance with:** 49CFR 173.120(a)(5); ADR Annex A 2.2.3.1.1 Note 1; ICAO 2.3.1.3(c); IATA DGR 3.3.1.3(c); and IMO 2.3.1.3.3

14.1 **DOT (DEPARTMENT OF TRANSPORTATION)** Not classified as dangerous for transport.  
 UN number  
 Proper Shipping Name  
 Transport hazard class(es)  
 Packing Group  
 Hazard label(s)  
 Environmental hazards  
 Special precautions for user

14.2 **Land transport (ADR/RID)** Not classified as dangerous for transport.  
 UN number

Proper Shipping Name  
 Transport hazard class(es)  
 Packing Group  
 Hazard label(s)  
 Environmental hazards  
 Special precautions for user

14.3 **Sea transport (IMDG)** Not classified as dangerous for transport.

UN number  
 Proper Shipping Name  
 Transport hazard class(es)  
 Packing Group  
 Marine Pollutant  
 Special precautions for user

14.4 **Air transport (ICAO/IATA)** Not classified as dangerous for transport.

UN number  
 Proper Shipping Name  
 Transport hazard class(es)  
 Packing Group  
 Environmental hazards  
 Special precautions for user

14.5 **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

**SECTION 15: REGULATORY INFORMATION**

15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**TSCA (Toxic Substance Control Act) - Inventory Status:** All components listed or polymer exempt.

**RCRA Hazardous Waste Number (40 CFR 261.33):** None

**US RCRA Hazard Class:** None

**SARA 311/312 - Hazard Categories:** None

Fire  Sudden Release  Reactivity  Immediate (acute)  Chronic (delayed)

**SARA 313 - Toxic Chemicals (40 CFR 372):** None

**SARA 302 - Extremely Hazardous Substances:** None

**SECTION 16: OTHER INFORMATION**

**Additional Information** None

**The following sections contain revisions or new statements:** 9.1.

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