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) 447-1117
- E-Mail (competent person): info@nanofilmtechnology.com

1.4 Emergency telephone number
- 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

2.2 Label elements
- Hazard Symbol: None

2.3 Other hazards
- None

2.4 Additional information

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

<table>
<thead>
<tr>
<th>Hazardous ingredient(s)</th>
<th>%W/W</th>
<th>CAS No.</th>
<th>Hazard statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>4-6</td>
<td>67-63-0</td>
<td>Flammable liquid. Irritating to eyes. May be harmful if swallowed.</td>
</tr>
<tr>
<td>Water</td>
<td>&gt;94</td>
<td>7732-16-5</td>
<td>None anticipated</td>
</tr>
<tr>
<td>Other*</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Ingredients present at <0.1%

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.

5.4 Prevention of复燃
- >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
SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Wash affected skin with plenty of water. Remove contaminated clothing and wash 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 uses
Optics cleaner solution.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
8.1.1 Occupational Exposure Limits

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>CAS No.</th>
<th>LTEL (8 hr TWA ppm)</th>
<th>STEL (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>400</td>
<td>200</td>
</tr>
</tbody>
</table>

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

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
- Appearance: Liquid.
- Odour: Greenish, Blue.
- Odour Threshold (ppm): Not available.
- 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.
- Water: >90%.
- 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): 0.95 @ 22°C.
- Specific Gravity: Soluble.
- Solubility (Water): Not available.
- Solubility (Other): Not available.
- 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: Not available.
- 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.07-63-0)

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.07-63-0)

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 24 hour(s): >10,000 mg/l (Daphnia magna)

Long Term Toxicity
- NOEC: 3.37 mg/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: 49 CFR 173.120(a)(8), ADR Annex A 2.2.3.1.1 Note 1; ICAO 2.3.1.3(c), IATA DGR 3.3.1.3(c) and IMDG 2.3.1.3.3

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

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

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
- SARA 313 - Toxic Chemicals (40 CFR 372): None
- SARA 302 - Extremely Hazardous Substances: None

SECTION 16: OTHER INFORMATION

Additional Information
None known.

The following sections contain revisions or new statements: 9, 1