**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

1.1 Product identifier
- GHS Product Identifier: Not applicable
- Chemical Name: Not applicable
- Trade name: Ultra Clarity® Lens Cleaner Towelette
- 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) 863-0266
- Fax: +1 (218) 447-1137
- E-Mail (competent person): info@nanofilmtechnolog.com
- Emergency telephone number: CHEMTREC 24 hr. +1 (703) 527-3887 (Collect call accepted)

1.4 Emergency telephone number
- Emergency Phone No.: CHEMTREC 24 hr. +1 (703) 527-3887 (Collect call accepted)

**SECTION 2: HAZARDS IDENTIFICATION**

2.1 Classification of the substance or mixture

2.2 Label elements for Product as supplied:
- Hazard Symbol: None

2.3 Other hazards
- Not classified as PBT or vPvS.

2.4 Additional Information
- May be flammable.
- May cause eye irritation.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

3.2 Mixtures

<table>
<thead>
<tr>
<th>Hazardous ingredient(s)</th>
<th>%/WW</th>
<th>CAS No.</th>
<th>Hazard statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>25%</td>
<td>67-63-0</td>
<td>Flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.</td>
</tr>
</tbody>
</table>

**SECTION 4: FIRST AID MEASURES**

4.1 Description of first aid measures
- Inhalation: Unlikely to be required but if necessary treat symptomatically.
- Skin Contact: Unlikely to be required but if necessary treat symptomatically.
- Eye Contact: If substance has got into the eyes, wash out with water. If symptoms occur obtain medical attention.
- Ingestion: Unlikely to be required but if necessary treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed: None

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: Extinguish with water spray, foam or dry chemical.
- Unsuitable Extinguishing Media: None anticipated.

5.2 Special hazards arising from the substance or mixture: None anticipated.

5.3 Advice for fire-fighters: As appropriate for surrounding fire.

**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: Transfer to a container for disposal or recovery.

6.4 Reference to other sections: None

6.5 Additional Information: None.

**SECTION 7: HANDLING AND STORAGE**

7.1 Precautions for safe handling: None

7.2 Conditions for safe storage, including any incompatibilities
- Storage Temperature: Store at room temperature.
- Incompatible materials: Strong oxidizing agents.
SECTION 8: EXPOSURE CONTROLS/PERSOANAL 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>Isoamyl Alcohol</td>
<td>67-63-0</td>
<td>400</td>
<td>200</td>
</tr>
</tbody>
</table>

8.1.2 Recommended monitoring method
NIOH 1400

8.2 Exposure controls

8.2.1 Appropriate engineering controls
Not normally required.

8.2.2 Personal protection equipment

8.2.2.1 Eye/face protection
Not required under normal consumer use

8.2.2.2 Skin protection (Hand protection/Other)
Not required under normal consumer use
Industrial use: Wear suitable gloves if prolonged skin contact is likely

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

8.2.2.4 Thermal hazards
Not normally required.

8.2.3 Environmental Exposure Controls
Not normally required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Premoistened Cloth / Towelette
Color: White
Odor: Not available
Odor Threshold (ppm): Not available
pH (Value): 7.4
Melting Point (°C) / Freezing Point (°C): Not available
Boiling point (°C): Not determined
Flash Point (°C): 26.7 - C (80°F) [Closed cup]
Evaporation rate: Not available
Flammability (solid, gas): Not applicable
Explosive limit ranges: Not applicable
Vapor Pressure (Pascal): Not known
Vapor Density (Air=1): Not known
Specific Gravity (Liquid): 0.96
Density (g/ml): 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

Isopropyl Alcohol [CAS No. 67-63-0]

Acute toxicity:

Oral: LD50 = 5.84 g/kg (rat)
Inhalation: LC50 > 10,000 ppm (rat) 8 hour(s)
Dermal: LD50 = 16.4 mg/kg (rabbit) 24 hour(s)

Irritation: 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))
12.2 Persistence and degradability Not available
12.3 Bioaccumulative potential Not available
12.4 Mobility in soil No data
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: DOT 49 CFR 172.102 Special Provision 47; ADR 3.3.1 Special Provision 216; ICAO Special Provision A46; IATA DGR Special Provision A46; and IMDG Special Provision 215.

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

14.2 Land transport (ADR/RID)
UN number Not classified as dangerous for transport.
Proper Shipping Name Transport hazard class(es)
Packing Group Hazard label(s)
Environmental hazards Special precautions for user

14.3 Sea transport (IMDG)
UN number Not classified as dangerous for transport.
Proper Shipping Name Transport hazard class(es)
Packing Group Marine Pollutant Special precautions for user

14.4 Air transport (ICAO/IATA)
UN number Not classified as dangerous for transport.
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.
US RCRA No.: 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

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