Section 1 – Product Information

Product Name: Liquiclean AW
Supplier: The Ruhof Corporation

Product Code: 34532
Information Phone: 1-800-537-8463

Address: 393 Sagamore Avenue
Mineola NY 11501

Section 2 – Hazards Identification

GHS Classification: This product is not classified as hazardous

Section 2.1 Label Elements

<table>
<thead>
<tr>
<th>Hazard Pictograms</th>
<th>Precautionary Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td>Prevention</td>
</tr>
<tr>
<td></td>
<td>• Wear eye/face protection.</td>
</tr>
<tr>
<td></td>
<td>Eyes</td>
</tr>
<tr>
<td></td>
<td>• IF IN EYES: Rinse copiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
</tr>
<tr>
<td></td>
<td>• IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing</td>
</tr>
<tr>
<td></td>
<td>• If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.</td>
</tr>
<tr>
<td>Signal Word: Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Hazard Statements:</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Section 3 – Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>67-63-0</td>
<td>&lt;5%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

General Advice
If symptoms occur or persist, call a physician. Do not breathe dust/lume/gas/mist/vapors/spray. Do not get in eyes.

Eye Contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Seek immediate medical attention if required.

Skin Contact
Wash off with soap and plenty of water. If skin irritation persists, call a physician.

Inhalation
Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion
Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Insuitable Extinguishing Media
No information available.

Specific Hazards Arising from the Chemical
None Known.

Explosion Data
Sensitivity to Mechanical Impact: None.
Sensitivity to Static Discharge: None.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Evacuate personnel to safe areas. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak.

Environmental Precautions
Prevent further leakage or spillage if safe to do so.

Methods and Materials for Containment and Cleaning Up
Methods for Containment
Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up
Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Handling
Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.

Storage
Keep in properly labeled containers. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products
None known based on information supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate Engineering Controls
Showers, Eyewash stations, Ventilation systems

Individual Protection Measures, such as personal protective equipment

Eye/Face Protection
Wear safety goggles.

Skin and Body Protection
Lightweight protective clothing. Impervious gloves.

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures
When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.
9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Odor</th>
<th>Appearance</th>
<th>pH</th>
<th>Melting Point/Range</th>
<th>Boiling Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid</td>
<td>None</td>
<td>Blue</td>
<td>8-9.5</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Flammability Limits</td>
<td>Vapor Pressure</td>
<td>Specific Gravity</td>
<td>Water Solubility</td>
<td>Flammable Properties</td>
</tr>
<tr>
<td>Not determined</td>
<td>No data available</td>
<td>No data available</td>
<td>1.01-1.03</td>
<td>Soluble</td>
<td>Not Flammable</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Reaction</th>
<th>No data available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>Stable under recommended storage conditions.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>None under normal processing.</td>
</tr>
<tr>
<td>Hazardous Polymerization</td>
<td>Hazardous polymerization does not occur.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>None known based on information supplied.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>None known based on information supplied.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>None known based on information supplied.</td>
</tr>
</tbody>
</table>

11. TOXICOLOGICAL INFORMATION

- **Inhalation**: May cause irritation.
- **Eye Contact**: May cause irritation.
- **Skin Contact**: May cause irritation.
- **Ingestion**: There is no data available for this product.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

- **Sensitization**: May cause sensitization of susceptible persons.
- **Carcinogenicity**: Contains no ingredients above reportable quantities listed as a carcinogen.
- **Chronic Toxicity**: Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible persons.
- **Target Organ Effects**: Respiratory system, Eyes, Skin.

12. ECOLOGICAL INFORMATION

- **Ecotoxicity**: The product is not expected to be hazardous to the environment.
- **Persistence and Degradability**: No information available.
- **Bioaccumulation**: The product does not contain any substances expected to be bioaccumulating.
- **Other Adverse Effects**: No information available.

13. DISPOSAL CONSIDERATIONS

- **Waste Disposal Methods**: Diluted product can be flushed to sanitary sewer.
- **Contaminated Packaging**: Do not re-use empty containers.

14. TRANSPORT INFORMATION

- **DOT**: The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15. REGULATORY INFORMATION

**EU Legislation**: The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006


16. OTHER INFORMATION

- **NFPA**: Health Hazard 1, Flammability 0, Instability 0, Physical and Chemical Hazards -
- **HMIS**: Health Hazard 1, Flammability 0, Physical Hazard 0, Personal Protection X

Prepared By
The Ruho Corporation
393 Sagamore Avenue
Mineola, NY 11501

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