1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name: Liquid Glass Cleaner with AMMONIA
474-09-411-00 1QtBtl 12/cs - 474-09-411-01 1 gallon jug 4/cs

Other Means of Identification
SDS # not determined
UN/ID No not determined
Product Code not determined

Recommended Use of the Chemical and Restrictions on Use
Recommended Use: Removal of soil from all reflective surfaces.

Details of the Supplier of the Safety Data Sheet
Supplier Address
Illinois Correctional Industries
1301 Concordia Court
P.O. Box 19277
Springfield, IL 62794-9277

Emergency Telephone Number
Company Phone Number: 1-800-634-0213
Emergency Telephone: 1-800-222-1222

2. HAZARDS IDENTIFICATION

Classification
unapplicable

Signal Word
Danger

Hazard Statements
Avoid skin and eye contact.
Physical State: Liquid.

Precautionary Statements – Prevention
Avoid temperature extremes.

Precautionary Statements – Response
EYES: Flush immediately with plenty of water for at least 15 minutes. INGESTED: Do Not Induce vomiting. Never give fluids to an unconscious person. Drink large amounts of liquids. INHALED: Remove to fresh air. If not breathing give artificial respiration. SKIN: Wash exposed skin with soap and water. Call physician.

Precautionary Statements – Storage
Avoid extreme temperatures.
Precautionary Statements – Disposal
Dispose in accordance with Local, State or Federal Regulations.

Hazard Not Otherwise Classified (HNOC)
None

Other Hazards
None

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>n/a</td>
</tr>
<tr>
<td>Dipropylene glycol n-butyl ether</td>
<td>29911-28-2</td>
<td>n/a</td>
</tr>
<tr>
<td>Magnesium alkyl sulfate</td>
<td>3097-08-3</td>
<td>n/a</td>
</tr>
<tr>
<td>Ammonium hydroxide solution</td>
<td>1336-21-6</td>
<td>n/a</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First Aid Measures

Inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Eye Contact
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion
Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact
Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms
Prolonged contact may cause painful stinging or burning of eyes and lids, watering of eye, and irritation. Prolonged contact may even cause severe skin irritation or mild burn.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

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

Unsuitable Extinguishing Media
Not determined.

Specific Hazards Arising from the Chemical
Not determined.
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, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required. Rubber gloves and protective clothing.

Environmental Precautions See Section 12 for additional ecological information.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Use only in well-ventilated areas. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Store at 40 – 90 F.

Incompatible Materials Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Wear approved safety goggles.

Skin and Body Protection Wear suitable protective clothing.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

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

9. PHYSICAL AND CHEMICAL PROPERTIES
Information on Basic Physical and Chemical Properties

Physical State: Liquid
Appearance Color: Light Blue
Odor: Spicy
Odor Threshold: Not determined

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>6.8</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>n/a / 32 F</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>212 F</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>190 F</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>complete</td>
<td></td>
</tr>
<tr>
<td>Solubility in Other Solvents</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
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<td></td>
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<tr>
<td>Explosive Properties</td>
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<tr>
<td>Oxidizing Properties</td>
<td>none</td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to Avoid
Keep out of reach of children.

Incompatible Materials
Strong acids.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation: May cause respiratory irritation.
Eye Contact: Causes eye irritation.
Skin Contact  May be uncomfortable in contact with skin.

Ingestion  May be harmful if swallowed.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Information on Physical, Chemical and Toxicological Effects

Symptoms  Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity  Carcinogenic potential is unknown.

STOT - Single Exposure  May cause respiratory irritation.

Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

None known.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
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</thead>
<tbody>
<tr>
<td>N/A</td>
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</tbody>
</table>

Persistence and Degradability

Not determined

Bioaccumulation

Not determined

Mobility

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes  Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging  Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION
Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT
UN/ID No
Proper Shipping Name
Hazard Class
Packing Group

IATA
UN/ID No
Proper Shipping Name
Hazard Class
Packing Group

IMDG
UN/ID No
Proper Shipping Name
Hazard Class
Packing Group

15. REGULATORY INFORMATION

International Inventories
Not Determined

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

US Federal Regulations

SARA 313
Not determined

US State Regulations

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
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<tbody>
<tr>
<td>N/A</td>
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### 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
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</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>Not determined</td>
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**Issue Date**

**Revision Date**

**Revision Note**  New format

**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**