GLASS CLEANER
IDEAL FOR REMOVING DIRT, GREASE AND FINGER MARKS

LEXUS CARE
SAFETY DATA SHEET
according to 1907/2006/EC, Article 31

Glass Cleaner

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: Glass Cleaner
Product code: QAIFS329

1.2. Relevant identified uses of the substance or mixture and uses advised against
Description: This powerful cleaner breaks through even the toughest dirt and grime on screens, windows and mirrors, leaving a sparkling streak free finish.

1.3. Details of the supplier of the safety data sheet
Company: SUPAGARD LIMITED
Address: 19-27 Gavinton Street
Muirend
Glasgow
G44 3EF
Web: www.supagard.co.uk
Telephone: 0141 633 5933
Fax: 01416377219
Email: James.Smyth@supagard.com
Email address of the competent person: James.Smyth@supagard.com

1.4. Emergency telephone number
Emergency telephone number: 01416335933
8.30am to 5.00pm

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
2.1.1. Classification - 1999/45/EC
R10 - Flammable.

2.2. Label elements
Risk phrases: No symbol required.
Safety phrases:
S2 - Keep out of the reach of children.
S25 - Avoid contact with eyes.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 - Wear eye/face protection.

2.3. Other hazards
Other hazards: PBT not identified as a PBT substance.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Glass Cleaner

3.2. Mixtures

67/548/EEC / 1999/45/EC

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Index No.</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>REACH Registration Number</th>
<th>Conc. (%w/w)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol (Propan-2-ol)</td>
<td>603-117-00-0</td>
<td>67-63-0</td>
<td>200-661-7</td>
<td>01-2119457558-25</td>
<td>1 - 10% F; R11 Xi; R36 R67</td>
<td></td>
</tr>
<tr>
<td>Ethylene glycol monobutyl ether (2-Butoxyethanol)</td>
<td>603-014-00-0</td>
<td>111-76-2</td>
<td>203-905-0</td>
<td>01-2119475108-36</td>
<td>1 - 10% Xn; R20/21/22 Xi; R36/38</td>
<td></td>
</tr>
</tbody>
</table>

Further information

Product Description & Uses
This powerful cleaner breaks through even the toughest dirt and grime on screens, windows and mirrors, leaving a sparkling streak free finish.

Product Shelf Life
RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Move the exposed person to fresh air.

Eye contact
Rinse immediately with plenty of water. Contact lenses should be removed.

Skin contact
Remove contaminated clothing. Wash with water and soap as a precaution.

Ingestion
DO NOT INDUCE VOMITING. Rinse mouth thoroughly.

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

Inhalation
High concentration of vapour in enclosed space may cause irritation, headaches and nausea. May cause irritation to respiratory system.

Eye contact
Irritating to eyes.

Skin contact
May cause skin dryness and irritation. Prolonged contact may cause defatting of the skin.

Ingestion
May cause irritation to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation
TREAT SYMPTOMATICALLY.
Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.

Eye contact
Contact lenses should be removed. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.

Skin contact
Seek medical attention if irritation or symptoms persist.

Ingestion
Drink 1 to 2 glasses of water. Seek medical attention if irritation or symptoms persist.

General information
If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Flammable liquid. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

Further information
In the event of a fire and/or explosion do not breath fumes. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Glass Cleaner

6.1. Personal precautions, protective equipment and emergency procedures
Wear suitable protective equipment. Flammable liquid. Avoid sparks, flames, heat and sources of ignition.

6.2. Environmental precautions
Advise local authorities if large spills cannot be contained.

6.3. Methods and material for containment and cleaning up
Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Avoid sparks, flames, heat and sources of ignition.

6.4. Reference to other sections
See section 2, 7, 8, 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)
This powerful cleaner breaks through even the toughest dirt and grime on screens, windows and mirrors, leaving a sparkling streak free finish.

Suitable packaging
Plastic containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Occupational exposure controls.

8.1.1. Exposure Limit Values

<table>
<thead>
<tr>
<th>Substance</th>
<th>WEL 8-hr limit ppm</th>
<th>WEL 8-hr limit mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>25</td>
<td>-</td>
</tr>
<tr>
<td>(2-Butoxyethanol)</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>isopropanol (Propan-2-ol)</td>
<td>400</td>
<td>999</td>
</tr>
<tr>
<td></td>
<td>500</td>
<td>1250</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Eye / face protection
Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protective equipment. Wear suitable protective clothing and eye/face protection.

Skin protection - Handprotection
Avoid contact with eyes. If splashes are likely to occur, wear: safety glasses with side-shields.

Respiratory protection
No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment.
Glass Cleaner

8.2. Exposure controls

8.2.3. Environmental exposure controls
Prevent further leakage or spillage if safe to do so.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Clear/Blue</td>
</tr>
<tr>
<td>Odour</td>
<td>Alcoholic</td>
</tr>
<tr>
<td>pH</td>
<td>8 - 10</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>38 °C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour Flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>&lt; 50 centipoise</td>
</tr>
<tr>
<td>Viscosity</td>
<td>&lt; 50 centipoise</td>
</tr>
<tr>
<td>Explosive</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.98 - 0.99 g/cm³</td>
</tr>
<tr>
<td>Gas group</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Benzene Content</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Lead content</td>
<td>Not applicable</td>
</tr>
<tr>
<td>VOC (Volatile organic compounds)</td>
<td>10 g/l</td>
</tr>
</tbody>
</table>

9.2. Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductivity</td>
<td>No data available</td>
</tr>
<tr>
<td>Surface tension</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.98 - 0.99 g/cm³</td>
</tr>
<tr>
<td>Gas group</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Benzene Content</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Lead content</td>
<td>Not applicable</td>
</tr>
<tr>
<td>VOC (Volatile</td>
<td>10 g/l</td>
</tr>
<tr>
<td>organic compounds)</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1. Reactivity
Flammable liquid. Stable under normal conditions.

10.2. Chemical stability
Flammable liquid. Stable under normal conditions.

10.3. Possibility of hazardous reactions
Oxidising agents. Combustible materials.

10.4. Conditions to avoid
Avoid sparks, flames, heat and sources of ignition. Avoid storing in direct Sun Light.

10.5. Incompatible materials
Oxidising agents.
Glass Cleaner

10.6. Hazardous decomposition products

No Hazardous decomposition products when stored and handled correctly. Burning produces irritating, toxic and obnoxious fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Skin corrosion/irritation</th>
<th>Not anticipated under normal conditions of use. May cause irritation to skin.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not anticipated under normal conditions of use.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>Not anticipated under normal conditions of use. May cause irritation to respiratory system.</td>
</tr>
<tr>
<td>Repeated or prolonged exposure</td>
<td>Prolonged contact may cause defatting of the skin.</td>
</tr>
</tbody>
</table>

11.1.2. Mixtures

No data available.

11.1.3. Hazard Information

No data available.

11.1.4. Toxicological Information

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

Substance biodegrades at a moderate rate and inherently biodegradable according to the OECD guide lines.

12.3. Bioaccumulative potential

No data is available on this product.

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

General information

Dispose of in compliance with all local and national requirements.

Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

SECTION 14: Transport information

Hazard pictograms
### Hazard pictograms

<table>
<thead>
<tr>
<th>Hazard Pictogram</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Pictogram]</td>
</tr>
</tbody>
</table>

### 14.1. UN number

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN1993</th>
</tr>
</thead>
</table>

### 14.2. UN proper shipping name

| FLAMMABLE LIQUID, N.O.S. |

### 14.3. Transport hazard class(es)

<table>
<thead>
<tr>
<th>ADR/RID</th>
<th>Subsidiary risk</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ADR/RID</th>
<th>Subsidiary risk</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ADR/RID</th>
<th>Subsidiary risk</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ADR/RID</th>
<th>Subsidiary risk</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

### 14.4. Packing group

| Packing group | III |

### 14.5. Environmental hazards

<table>
<thead>
<tr>
<th>Environmental hazards</th>
<th>No</th>
</tr>
</thead>
</table>

| Marine pollutant | No |

### 14.6. ADR/RID

<table>
<thead>
<tr>
<th>Hazard ID</th>
<th>30</th>
</tr>
</thead>
</table>

| Tunnel Category | (D/E) |

<table>
<thead>
<tr>
<th>EmS Code</th>
<th>F-E S-E</th>
</tr>
</thead>
</table>

| ADR/RID | IMDC | IATA |

<table>
<thead>
<tr>
<th>Packing Instruction (Cargo)</th>
<th>366</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum quantity</td>
<td>220 L</td>
</tr>
<tr>
<td>Packing Instruction (Passenger)</td>
<td>355</td>
</tr>
<tr>
<td>Maximum quantity</td>
<td>60 L</td>
</tr>
</tbody>
</table>

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture


#### 15.2. Chemical safety assessment

---

Copyright © 2014 ChemSoft Limited. All rights reserved. Powered by ChemSoft EHS

Print date 2014-08-26
15.2. Chemical safety assessment

No information available.

SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:
1 - Description.
3 - Product Description & Uses.
7 - 7.3. Specific end use(s).
9 - 9.1. Information on basic physical and chemical properties (PH).
9 - 9.1. Information on basic physical and chemical properties (Melting point).
9 - 9.1. Information on basic physical and chemical properties (Flash point).
9 - 9.1. Information on basic physical and chemical properties (Flammability limits).
9 - 9.1. Information on basic physical and chemical properties (Oxidising).
9 - 9.1. Information on basic physical and chemical properties (Relative density).
9 - 9.1. Information on basic physical and chemical properties (Viscosity).
9 - 9.1. Information on basic physical and chemical properties (Upper Explosive Limit).
9 - 9.1. Information on basic physical and chemical properties (Lower Explosive Limit).
9 - 9.1. Information on basic physical and chemical properties (Decomposition temperature).
9 - 9.1. Information on basic physical and chemical properties (Soluble in).
9 - 9.1. Information on basic physical and chemical properties (Miscible in).
9 - 9.1. Information on basic physical and chemical properties (Partition coefficient (n-octanol/water)).
9 - 9.1. Information on basic physical and chemical properties (Odour threshold).
9 - 9.2. Other information (VOC (Volatile organic compounds)).
9 - 9.2. Other information (SADT).
9 - 9.2. Other information (Specific gravity).
9 - 9.2. Other information (Bulk Density).
9 - 9.2. Other information (Softening point).
9 - 9.2. Other information (Pour point).
9 - 9.2. Other information (Sublimation Point).
9 - 9.2. Other information (Electrical Resistance).
9 - 9.2. Other information (Total Solids).
9 - 9.2. Other information (Redox Potential).
11 - 11.1.4. Toxicological Information.
12 - 12.1. Toxicity.

Text of risk phrases in Section 3

R11 - Highly flammable.
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.
R36/38 - Irritating to eyes and skin.
R36 - Irritating to eyes.
R67 - Vapours may cause drowsiness and dizziness.

Maximum content of VOC

10 g/l.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.