



Film Free RTU Glass Cleaner

Version Number: 1

Preparation date: 2011-04-04

| 1. PRODUCT AND COMPANY IDENTIFICATION | |
|---|-----------------------------|
| Product name: | Film Free RTU Glass Cleaner |
| MSDS #: | MS0600031 |
| Product Code: | U22655, U22656 |
| Recommended use: | Glass Cleaner. |
| Manufacturer, importer, supplier: Unisource Worldwide, Inc. 6600 Governors Lake Parkway Norcross, GA 30071 Phone: 1-800-864-7687 MSDS Internet Address: www.unisourceworldwide.com | |
| Emergency telephone number: | 1-888-660-6737 |

| 2. HAZARDS IDENTIFICATION | |
|--|---|
| EMERGENCY OVERVIEW CAUTION MAY BE MILDLY IRRITATING TO EYES | |
| Principal routes of exposure: | Eye contact Skin contact Inhalation |
| Eye contact: | May be mildly irritating to eyes |
| Skin contact: | None known |
| Inhalation: | None known |
| Ingestion: | None known |

| 3. COMPOSITION/INFORMATION ON INGREDIENTS | | |
|---|----------|------------|
| Ingredient(s) | CAS # | Weight % |
| Diethylene glycol monoethyl ether | 111-90-0 | 0.1 - 1.5% |

| Ingredient(s) | LD50 Oral - Rat (mg/kg) | LD50 Dermal - Rabbit | LC50 Inhalation - Rat |
|-----------------------------------|-------------------------|----------------------|-----------------------|
| Diethylene glycol monoethyl ether | 1920 | =4200 µL/kg | >5240 mg/m³ (4 h) |

| 4. FIRST AID MEASURES | |
|--------------------------------|---|
| Eye contact: | Flush immediately with plenty of water If irritation develops, get medical attention |
| Skin contact: | Rinse with plenty of water |
| Inhalation: | No specific first aid measures are required |
| Ingestion: | No specific first aid measures are required |
| Aggravated Medical Conditions: | None known |

| 5. FIRE-FIGHTING MEASURES | |
|-------------------------------|---|
| Suitable extinguishing media: | The product is not flammable Extinguish fire using agent suitable for surrounding fire |
| Specific hazards: | Not applicable |
| Unusual hazards: | None known |
| Specific methods: | No special methods required |

Special protective equipment for firefighters:

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

Extinguishing media which must not be used for safety reasons:

No information available

6. ACCIDENTAL RELEASE MEASURES

| | |
|--|---|
| Personal precautions: | Not relevant for the product itself |
| Environmental precautions and clean-up methods: | Clean-up methods - large spillage Soak up with inert absorbent material Sweep up and shovel into suitable containers for disposal Use a water rinse for final clean-up |

7. HANDLING AND STORAGE

| | |
|------------------|--|
| Handling: | Avoid contact with eyes FOR COMMERCIAL AND INDUSTRIAL USE ONLY. |
| Storage: | Protect from freezing Keep tightly closed in a dry, cool and well-ventilated place KEEP OUT OF REACH OF CHILDREN |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Engineering measures to reduce exposure:**No special ventilation requirements
General room ventilation is adequate**Personal Protective Equipment**

| | |
|----------------------------------|---|
| Eye protection: | No special requirements under normal use conditions |
| Hand protection: | No special requirements under normal use conditions |
| Skin and body protection: | No special requirements under normal use conditions |
| Respiratory protection: | No special requirements under normal use conditions |
| Hygiene measures: | Handle in accordance with good industrial hygiene and safety practice |

Personal protective equipment None / Aucune / Ninguno**9. PHYSICAL AND CHEMICAL PROPERTIES**

| | | | |
|---|--------------------------|--------------------------|--------------------------|
| Physical State: | Liquid | Appearance: | Liquid Aqueous solution |
| Bulk density: | No information available | Specific gravity: | 0.999 |
| Elemental Phosphorus: | 0 % by wt. | Vapor density: | No information available |
| Evaporation Rate | No information available | Solubility: | Completely Soluble |
| VOC: | 0 % * | Viscosity: | No information available |
| Density: | 8.34 lbs/gal 1 Kg/L | pH: | 8 |
| Dilution pH: 8 @ RTU | | | |
| Partition coefficient (n-octanol/water): | | | No information available |
| Solubility in other solvents: | | | No information available |
| Color: | | | Clear Blue |
| Odor: | | | Floral |
| Boiling point/range: | | | Not determined |
| Melting point/range: | | | Not determined |
| Flash point: | | | > 200 °F > 93.4 °C |
| Decomposition temperature: | | | Not determined |
| Autoignition temperature: | | | No information available |

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

| | |
|--|---|
| Stability: | The product is stable |
| Polymerization: | Hazardous polymerization does not occur |
| Hazardous decomposition products: | None reasonably foreseeable. |

11. TOXICOLOGICAL INFORMATION

| | |
|-------------------------------|---|
| Acute toxicity: | Oral LD50 estimated to be greater than 5000 mg/kg; Dermal LD50 estimated to be > 2000 mg/kg |
| Component Information: | See Section 3 |
| Chronic toxicity: | None known |
| Specific effects | |
| Carcinogenic effects: | None known |
| Mutagenic effects: | None known |
| Reproductive toxicity: | None known |
| Target organ effects: | None known |

12. ECOLOGICAL INFORMATION

| | |
|-----------------------------------|-------------------|
| Environmental Information: | No data available |
|-----------------------------------|-------------------|

13. DISPOSAL CONSIDERATIONS

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|---|---|
| Waste from residues / unused products: | Dispose of according to all federal, state and local applicable regulations |
|---|---|

14. TRANSPORT INFORMATION

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|--|---|
| DOT/TDG: | Please refer to the Bill of Lading/receiving documents for up to date shipping information. |
| DOT Bill of Lading Description: | Cleaning, washing, buffing, or polishing compounds Liquid |

15. REGULATORY INFORMATION**International Inventories at CAS# Level**

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

U.S. Regulations**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65**SARA 311/312 Hazard Categories**

Immediate: -

Delayed: -

Fire: -

Reactivity: -

Sudden Release of Pressure: -

Canada

| Ingredient(s) | CAS # | NPRI |
|-----------------|----------|------|
| Hexyloxyethanol | 112-25-4 | X |

WHMIS hazard class:

Not for sale in Canada

Right To Know (RTK)

| Ingredient(s) | CAS # | NJRTK: | MARTK: | PARTK: | RIRTK: |
|-----------------------------------|-----------|--------|--------|--------|--------|
| Diethylene glycol monoethyl ether | 111-90-0 | - | - | - | - |
| Hexyloxyethanol | 112-25-4 | - | - | - | - |
| Water | 7732-18-5 | - | - | - | - |

CERCLA/ SARA

| Ingredient(s) | CAS # | Weight % | CERCLA/SARA RQ (lbs) | Section 302 TPQ (lbs) | Section 313 |
|-----------------------------------|----------|------------|----------------------|-----------------------|-------------|
| Diethylene glycol monoethyl ether | 111-90-0 | 0.1 - 1.5% | | | X |
| Hexyloxyethanol | 112-25-4 | 0.1 - 1.5% | | | X |

| Component | CAA HAP | CAA ODS | CWA Priority Pollutants |
|--|---------|---------|-------------------------|
| Diethylene glycol monoethyl ether 111-90-0 (0.1 - 1.5%) | X | | |
| Hexyloxyethanol 112-25-4 (0.1 - 1.5%) | X | | |

16. OTHER INFORMATION

| HMIS | Health | 1 | Fire Hazard | 0 | Reactivity | 0 |
|------|--------|---|--------------|---|-------------|---|
| NFPA | Health | 1 | Flammability | 0 | Instability | 0 |

Reason for revision:

Not applicable

Prepared by:

NAPRAC

Additional advice:

Contains an added fragrance, see "Odor" heading in section 9 for specific description

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