1. Identification

Product identifier: VisiClear® Display & Electronics Screen Cleaner
Other means of identification:
- Product code: 05131
- Recommended use: LCD screen cleaner
- Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information

<table>
<thead>
<tr>
<th>Company name</th>
<th>CRC Industries, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>885 Louis Dr.</td>
</tr>
<tr>
<td></td>
<td>Warminster, PA 18974 US</td>
</tr>
</tbody>
</table>

2. Hazard(s) identification

Physical hazards: Gases under pressure
Health hazards: Not classified.
Environmental hazards: Not classified.
OSHA defined hazards: Not classified.

Label elements

Signal word: Warning
Hazard statement: Contains gas under pressure; may explode if heated.
Precautionary statement
- Prevention: Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 49°C/120°F. Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area.
- Response: Wash hands after handling.
- Storage: Store in a well-ventilated place. Protect from sunlight. Exposure to high temperature may cause can to burst.
- Disposal: Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC): None known.

Supplemental information: Not applicable.

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Mixtures</th>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td></td>
<td></td>
<td>7732-18-5</td>
<td>90 - 100</td>
</tr>
</tbody>
</table>
Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

**Inhalation**
Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact**
Wash off with soap and water. Get medical attention if irritation develops and persists.

**Eye contact**
Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion**
Direct mouth. Do not induce vomiting. Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed**
Direct contact with eyes may cause temporary irritation.

**Indication of immediate medical attention and special treatment needed**
Provide general supportive measures and treat symptomatically.

**General information**
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

**Suitable extinguishing media**
Water. Foam. Carbon dioxide (CO2). Dry chemicals.

**Unsuitable extinguishing media**
None known.

**Specific hazards arising from the chemical**
Contents under pressure. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Pressurized container may rupture when exposed to heat or flame.

**Special protective equipment and precautions for firefighters**
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

**Methods and materials for containment and cleaning up**
Stop the flow of material, if this is without risk. Following product recovery, flush area with water.

**Environmental precautions**
Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

**Precautions for safe handling**
Keep away from heat and sources of ignition. Do not spray on a naked flame or any other incandescent material. Pressurized container: Do not pierce or burn, even after use. Do not breathe vapors, aerosols. Provide adequate ventilation. Wear appropriate personal protective equipment. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Observe good industrial hygiene practices. For product usage instructions, please see the product label.

**Conditions for safe storage, including any incompatibilities**
Level 1 Aerosol.

Store in a well-ventilated place. Store in a cool, dry place out of direct sunlight.
8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide (CAS 1310-58-3)</td>
<td>Ceiling</td>
<td>2 mg/m3</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide (CAS 1310-58-3)</td>
<td>TWA</td>
<td>2 mg/m3</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide (CAS 1310-58-3)</td>
<td>TWA</td>
<td>2 mg/m3</td>
</tr>
</tbody>
</table>

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Wear protective gloves such as: Nitrile. Rubber.

Other

Wear suitable protective clothing.

Respiratory protection

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

- Physical state: Liquid.
- Form: Aerosol.
- Color: Colorless.
- Odor: Odorless.
- Odor threshold: Not available.
- pH: 9 - 10
- Melting point/freezing point: 32 °F (0 °C) estimated
- Initial boiling point and boiling range: 212 °F (100 °C) estimated
- Flash point: None (Tag Closed Cup)
- Evaporation rate: Slow.
- Flammability (solid, gas): Not available.

Upper/lower flammability or explosive limits

- Flammability limit - lower (%): Not available.
- Flammability limit - upper (%): Not available.
- Vapor pressure: 23 hPa estimated
- Vapor density: Not available.
- Relative density: 1
- Solubility (water): Soluble.
- Partition coefficient (n-octanol/water): Not available.
Auto-ignition temperature  > 392 °F (> 200 °C)
Decomposition temperature  Not available.
Viscosity (kinematic)  Not available.
Percent volatile  96.3 % estimated

10. Stability and reactivity

Reactivity  The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability  Material is stable under normal conditions.
Possibility of hazardous reactions  No dangerous reaction known under conditions of normal use.
Conditions to avoid  Contact with incompatible materials.
Incompatible materials  Strong oxidizing agents.
Hazardous decomposition products  Carbon oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation  No adverse effects due to inhalation are expected. Prolonged or excessive inhalation may cause respiratory tract irritation.
Skin contact  Prolonged skin contact may cause temporary irritation.
Eye contact  Direct contact with eyes may cause temporary irritation.
Ingestion  Swallowing small amounts during normal handling is not likely to cause harmful effects. Swallowing large amounts may cause gastrointestinal discomfort.

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity  Not classified.
Skin corrosion/irritation  Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation  Direct contact with eyes may cause temporary irritation.
Respiratory sensitization  Not a respiratory sensitizer.
Skin sensitization  This product is not expected to cause skin sensitization.
Germ cell mutagenicity  No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity  This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity  This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure  Not classified.
Specific target organ toxicity - repeated exposure  Not classified.
Aspiration hazard  Not an aspiration hazard.

12. Ecological information

Ecotoxicity  The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>VisiClear® Display &amp; Electronics Screen Cleaner</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Daphnia</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fish</td>
</tr>
<tr>
<td>Components</td>
<td>Test Results</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>--------------</td>
<td></td>
</tr>
<tr>
<td>Potassium hydroxide (CAS 1310-58-3)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Aquatic**

- **LC50**
  - **Fish** 80 mg/l, 96 hours

**Species**

- Western mosquitofish (Gambusia affinis)

**Test Results**

- **Persistence and degradability**
  - No data is available on the degradability of this product.

- **Bioaccumulative potential**
  - No bioaccumulation expected.

- **Mobility in soil**
  - Soluble in water.

- **Other adverse effects**
  - No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. Disposal considerations**

- **Disposal of waste from residues / unused products**
  - The dispensed liquid product is not a RCRA hazardous waste (See 40 CFR Part 261.20 - 261.33). Empty container can be recycled. Consult authorities before disposal. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national regulations.

- **Hazardous waste code**
  - Not regulated.

- **Contaminated packaging**
  - Not available.

**14. Transport information**

**DOT**

- **UN number**
  - UN1950

- **UN proper shipping name**
  - Aerosols, non-flammable, Limited Quantity

- **Transport hazard class(es)**
  - Class: 2.2
  - Subsidiary risk: -
  - Label(s): 2.2

- **Packing group**
  - Not applicable.

- **Special precautions for user**
  - Not available.

- **Special provisions**
  - Not available.

- **Packaging exceptions**
  - 306

- **Packaging non bulk**
  - None

- **Packaging bulk**
  - None

**IATA**

- **UN number**
  - UN1950

- **UN proper shipping name**
  - Aerosols, non-flammable, Limited Quantity

- **Transport hazard class(es)**
  - Class: 2.2
  - Subsidiary risk: -

- **Packing group**
  - Not applicable.

- **Environmental hazards**
  - No.

- **ERG Code**
  - 10L

- **Special precautions for user**
  - Not available.

- **Other information**
  - Passenger and cargo aircraft: Allowed.
  - Cargo aircraft only: Allowed.

**IMDG**

- **UN number**
  - UN1950

- **UN proper shipping name**
  - AEROSOLS, Limited Quantity

- **Transport hazard class(es)**
  - Class: 2
  - Subsidiary risk: -

- **Packing group**
  - Not applicable.

- **Environmental hazards**
  - No.

- **EmS**
  - Not available.

- **Special precautions for user**
  - Not available.
15. Regulatory information

**US federal regulations**
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**
Not regulated.

Not listed.

**SARA 304 Emergency release notification**
Not listed.

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance**
Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**
Not listed.

**CERCLA Hazardous Substances: Reportable quantity**
Not listed.

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**
Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**
Not regulated.

**Safe Drinking Water Act (SDWA)**
Not regulated.

**Food and Drug Administration (FDA)**
Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

<table>
<thead>
<tr>
<th>Hazard categories</th>
<th>SARA 302 Extremely hazardous substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Delayed Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Pressure Hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Reactivity Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

**US state regulations**

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**
Hydrocarbons, C3-4-rich, Petroleum Distillate; Petroleum Gas (CAS 68512-91-4)

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**
Not listed.

**US. New Jersey Worker and Community Right-to-Know Act**
Not listed.

**US. Massachusetts RTK - Substance List**
None.

**US. Pennsylvania Worker and Community Right-to-Know Law**
Potassium hydroxide (CAS 1310-58-3)

**US. Rhode Island RTK**
None.

**US. California Proposition 65**
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**Volatile organic compounds (VOC) regulations**

**EPA**

| VOC content (40 CFR 51.100(s)) | 3.1 % |
| Consumer products (40 CFR 59, Subpt. C) | Compliant |
This product is regulated as a Glass Cleaner (aerosol). This product is compliant for use in all 50 states.

### VOC content (CA)
3.1 %

### VOC content (OTC)
3.1 %

**International Inventories**

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

* A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

- **Issue date**: 05-04-2015
- **Prepared by**: Allison Cho
- **Version #**: 01

Further information: Not available.

**HMIS® ratings**
- Health: 1
- Flammability: 0
- Physical hazard: 0
- Personal protection: B

**NFPA ratings**
- Health: 1
- Flammability: 0
- Instability: 0

**Disclaimer**

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this (M)SDS consult your supervisor, a health & safety professional, or CRC Industries.