



VisionAid Rainbow Lens Cleaner

Safety Data Sheet

According to Regulation OSHA 29CFR 1910.1200

Date of issue: 02/04/2013

Revision date: 06/27/2018

Version: 1.3

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

1.1. Product Identifier

| | |
|---------------|--|
| Product form | Mixture |
| Product name | VisionAid Rainbow Lens Cleaner |
| Product code | 1LCL211B, 1LCL211E, 1LCL2112, 1LCL211C, 1LC1776DU, 1LC5000D, 1LC382D, 1LCT100, 1LCT200, 1LCL211A |
| Synonyms | VisionAid Rainbow II |
| Product group | Consumer use |

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Main use category Consumer use

Use of the substance/mixture Cleaner

Function or use category Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Radians, Inc.

5305 Distriplex Farms Drive

Memphis, TN 38141

T 877-723-4267

salesfax@radians.com

www.radians.com

1.4. Emergency telephone number

Emergency number : 800-268-9017 - Poison Information Center
INFOTRAC

VisionAid Rainbow Lens Cleaner

Safety Data Sheet according to Regulation (EC) No. 453/2010

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation OSHA (29CFR, 1910.1200)

Health Hazards H303+H313+H333+H320 May be harmful if swallowed, comes in contact with skin or if inhaled. May cause minor eye irritation.

Physical Hazards None Identified

Other Hazards None Identified

Full text of P- and H-phrases: see section 16

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Irritant 2 H319

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC Xi;

R36

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS07

Signal word (CLP)

Warning

Hazard statements (CLP)

H319 - Causes serious eye irritation

Precautionary statements (CLP)

P102 - Keep out of reach of children

P264 - Wash hands thoroughly after handling

P280 - Wear eye protection, protective gloves

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337+P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards

No additional information available

VisionAid Rainbow Lens Cleaner

Safety Data Sheet according to Regulation (EC) No. 453/2010

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

| Name | Product Identifier | % | Classification according to Regulation OSHA (29CFR, 1910.1200) |
|-----------------------|--|-----|--|
| Isopropyl alcohol | (CAS No.) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0 | 10 | Combust. Liq. 2, H227 Eye Irrit. 2, H320 |
| Sodium lauryl sulfate | (CAS No.) 151-21-3 (EC no) 205-788-1 | 2.5 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H316 Eye Irrit. 2, H320 |

Full text of R-, H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | If medical advice is needed, have product container or label at hand. |
| First-aid measures after inhalation | If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists. |
| First-aid measures after skin contact | Wash skin thoroughly with mild soap and water. Obtain medical attention if irritation develops or persists. |
| First-aid measures after eye contact | Immediately rinse with water for a prolonged period (at least 15 minutes) while holding the eyelids wide open. Obtain medical attention if irritation develops or persists. |
| First-aid measures after ingestion | Do not induce vomiting. Seek medical attention if a large amount is swallowed. |

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

| | |
|--------------------------------------|--|
| Symptoms/injuries | Causes eye irritation. |
| Symptoms/injuries after inhalation | Overexposure may be irritating to the respiratory system. In high concentrations may cause narcotic effects. Symptoms may include dizziness, headache, nausea and loss of co-ordination. |
| Symptoms/injuries after skin contact | May cause mild skin irritation. |
| Symptoms/injuries after eye contact | Causes eye irritation. Liquid and vapors may cause excess blinking and tear production. |
| Symptoms/injuries after ingestion | If a large quantity has been ingested: Headache. Nausea. Vomiting. Abdominal pain. |
| Chronic symptoms | Repeated or prolonged skin contact may cause dermatitis and defatting. |

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

No additional information available

VisionAid Rainbow Lens Cleaner

Safety Data Sheet according to Regulation (EC) No. 453/2010

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|---|
| Suitable extinguishing media | Powder, alcohol-resistant foam, water spray, carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | Do not use a heavy water stream. Use of heavy stream of water may spread fire. |

5.2. Special hazards arising from the substance or mixture

| | |
|------------------|---|
| Fire hazard | Combustible liquid. Under conditions of fire this material may produce: Carbon dioxide (CO ₂). Carbon monoxide. |
| Explosion hazard | Product is not explosive. |
| Reactivity | Stable at ambient temperature and under normal conditions of use. Do not heat above 80 °C (176 °F). |

5.3. Advice for firefighters

| | |
|--------------------------------|---|
| Firefighting instructions | Keep upwind. Do not breathe fumes from fires or vapors from decomposition. Vapors may cause drowsiness and dizziness. Evacuate unnecessary personnel. On heating, there is a risk of bursting due to internal pressure build-up. Cool down the containers exposed to heat with a water spray. |
| Protection during firefighting | Use normal individual fire protective equipment. Wear full fire-fighting turnout gear (full Bunker gear) and respiratory protection (SCBA). |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Protective equipment | Not needed under normal usage conditions |
| Emergency procedures | Eliminate ignition sources. Stop leak if safe to do so. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Evacuate unnecessary personnel. Ventilate area. |

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|--|
| For containment | Absorb and/or contain spill with inert material, then place in suitable container. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. |
| Methods for cleaning up | Clean up any spills as soon as possible, using an absorbent material to collect it. For large or bulk quantities, after absorption with inert material, collect spillage by sweeping up spilled material and place in a labeled, sealed container for proper disposal. Use only non-sparking tools. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry. |

6.4. Reference to other sections

For further information refer to section 8 "Exposure controls/personal protection".

VisionAid Rainbow Lens Cleaner

Safety Data Sheet according to Regulation (EC) No. 453/2010

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-------------------------------|---|
| Precautions for safe handling | Handling large quantities of product: Proper grounding procedures to avoid static electricity should be followed. Keep away from heat and open flame. |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety procedures. Wash hands thoroughly after handling. Read label before use. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|------------------------|--|
| Storage conditions | Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Store away from direct sunlight or other heat sources. Protect from freezing. |
| Incompatible materials | Strong oxidizers. |
| Storage temperature | < 40 °C (< 104 °F) |

7.3. Specific end use(s)

Cleaner

SECTION 8: Exposure controls/personal protection

8.1. Exposure Limits

Mixture has no listed exposure limits.

8.2. Appropriate engineering controls

Good mechanical ventilation may be adequate for maintaining airborne concentrations below established exposure limits for large uncontrolled releases. If exposure limits are exceeded and inhaled: use a NOISH approved respirator.

8.3 Individual protection measures and personal protective equipment

| | |
|---------------------------------|--|
| General Hygiene | Practice good industrial hygiene. Wash hands before breaks and at the end of the workday. Keep product away from foodstuffs. Wash and launder all contaminated clothing before reuse. |
| Hand protection | Not required for normal conditions of use. |
| Eye protection | Not required for normal conditions of use. |
| Skin and body protection | Not required for normal conditions of use. |
| Respiratory protection | Not required for normal conditions of use. An approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits. |
| Environmental exposure controls | Ensure adequate ventilation, especially in confined areas. |
| Consumer exposure controls | Not required for normal conditions of use. |

VisionAid Rainbow Lens Cleaner

Safety Data Sheet according to Regulation (EC) No. 453/2010

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|-------------------------------|
| Physical state | Liquid |
| Appearance | Clear |
| Colour | Blue |
| Odour | Slight alcoholic |
| Odour threshold | No data available |
| pH | No data available |
| Relative evaporation rate (butylacetate=1) | No data available |
| Melting point | -6 °C (21 °F) |
| Freezing point | No data available |
| Boiling point | 93 °C (200 °F) |
| Flash point | 82 °C (180 °F) |
| Self ignition temperature | 399 °C (750 °F) (Isopropanol) |
| Decomposition temperature | No data available |
| Flammability (solid, gas) | No data available |
| Vapour pressure | 20 mm Hg (at 20 °C / 68 °F) |
| Relative vapour density at 20 °C | 1 |
| Relative density | 0.98 |
| Solubility | Water: Miscible |
| Log Pow | No data available |
| Log Kow | No data available |
| Viscosity, kinematic | No data available |
| Viscosity, dynamic | No data available |
| Explosive properties | None known. |
| Oxidising properties | None known. |
| Explosive limits | 2.5 - 12 vol % (Isopropanol) |

9.2. Other information

| | |
|-------------|------|
| VOC content | 10 % |
|-------------|------|

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at ambient temperature and under normal conditions of use. Do not heat above 80 °C (176 °F).

10.2. Chemical stability

Stable at standard temperature and pressure.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Heat. Open flame.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Under conditions of fire this material may produce: Carbon monoxide. Carbon dioxide (CO₂).

VisionAid Rainbow Lens Cleaner

Safety Data Sheet according to Regulation (EC) No. 453/2010

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity Not classified

Isopropyl alcohol (67-63-0)

| | |
|----------------------------|--------------------------------|
| LD50 oral rat | 4396 mg/kg |
| LD50 dermal rat | 12800 mg/kg |
| LD50 dermal rabbit | 12870 mg/kg |
| LC50 inhalation rat (mg/l) | 72.6 mg/l (Exposure time: 4 h) |

Sodium lauryl sulfate (151-21-3)

| | |
|----------------------------|---|
| LD50 oral rat | 1288 mg/kg |
| LD50 dermal rabbit | 580 mg/kg |
| LC50 inhalation rat (mg/l) | > 3900 mg/m ³ (Exposure time: 1 h) |

Skin corrosion/irritation Not classified
Serious eye damage/irritation Causes serious eye irritation.
Respiratory or skin sensitisation Not classified
Germ cell mutagenicity Not classified
Carcinogenicity Not classified
Reproductive toxicity Not classified
Specific target organ toxicity (single exposure) Not classified
Specific target organ toxicity (repeated exposure) Not Classified
Aspiration hazard Not classified

SECTION 12: Ecological information

12.1. Toxicity

Isopropyl alcohol (67-63-0)

| | |
|--------------------------------|---|
| LC50 fishes 1 | 9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 13299 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 other aquatic organisms 1 | > 1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus) |
| LC50 fish 2 | 11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 other aquatic organisms 2 | > 1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus) |

Sodium lauryl sulfate (151-21-3)

| | |
|--------------------------------|--|
| LC50 fishes 1 | 8 - 12.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 Daphnia 1 | 1.8 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 other aquatic organisms 1 | 53 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus) |
| LC50 fish 2 | 15 - 18.9 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 other aquatic organisms 2 | 30 - 100 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus) |

VisionAid Rainbow Lens Cleaner

Safety Data Sheet according to Regulation (EC) No. 453/2010

12.2. Persistence and degradability

VisionAid Rainbow Lens Cleaner

| | |
|-------------------------------|---------------------------|
| Persistence and degradability | Product is biodegradable. |
|-------------------------------|---------------------------|

12.3. Bioaccumulative potential

VisionAid Rainbow Lens Cleaner

| | |
|---------------------------|--------------------------------|
| Bioaccumulative potential | Not expected to bioaccumulate. |
|---------------------------|--------------------------------|

Isopropyl alcohol (67-63-0)

| | |
|---------|-----------------|
| Log Pow | 0.05 (at 25 °C) |
|---------|-----------------|

Sodium lauryl sulfate (151-21-3)

| | |
|------------|---------------------------|
| BCF fish 1 | (will not bioconcentrate) |
| Log Pow | 1.6 |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|---------------------------------|--|
| Sewage disposal recommendations | Do not dispose of waste into sewer. |
| Waste disposal recommendations | Dispose of waste material in accordance with all local, regional, national, and international regulations. |
| Additional information | Empty containers may be recycled after cleaning. |

SECTION 14: Transport information

14.1. UN number

No dangerous good in sense of transport regulations.

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information No supplementary information available.

14.6. Special precautions for user

None

14.6.1. Overland transport

No additional information available

VisionAid Rainbow Lens Cleaner

Safety Data Sheet according to Regulation (EC) No. 453/2010

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

SECTION 15: Regulatory information

15.1. United States Federal Regulations

SARA 302 components No ingredients are subject to reporting
SARA 313 components Isopropyl Alcohol (CAS: 67-63-0)

15.1.1. Specific State Regulations

| | |
|-------------------------------|--|
| Massachusetts Right to Know | Isopropyl Alcohol (CAS: 67-63-0) |
| New Jersey Right to Know | Isopropyl Alcohol (CAS: 67-63-0) |
| Pennsylvania Right to Know | Isopropyl Alcohol (CAS: 67-63-0) |
| California Prop 65 components | This product does not contain any chemicals known to the State of California to cause Cancer, birth defects, or any other reproductive harm. |
| California ARB classification | Anti-Static Product, Meets California BOV requirements |
| VOC content | 10% |

SECTION 16: Other information

Full text of H- + P- Phrases

| | |
|-----------|---|
| H227 | Combustible liquid |
| H303 | Harmful if swallowed |
| H313 | Causes skin irritation |
| H320 | Causes serious eye irritation |
| H333 | May cause respiratory irritation |
| H336 | May cause drowsiness or dizziness |
| P305 | If in eyes: rinse cautiously with water for several minutes |
| P351 | Remove contact lenses if present and easy to do |
| P338 | Continue rinsing for several minutes |
| P337+P313 | If eye irritation persists: Get medical advice/attention |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.