

Mirotek, Inc.  
1550 W Mahalo Place  
Rancho Dominguez  
California, 90220

Office PHONE: 310-639-1681 or FAX 310-667-5554

24-HR EMERGENCIES: MEDICAL 800-808-4691

**Hazard Rating**

Health

Flammability

Reactivity

Special

**HMIS**

0

0

0

None

**NFPA**

0

0

0

None

DOT CHEMTREC: 800-424-9300

# MATERIAL SAFETY DATA SHEET

Complies with ANSI Z400.1 Format (All information in this document has been third party certified)

## SECTION 1: PRODUCT IDENTIFICATION

Product: **MIROCLEAR™ Glass & Surface Cleaner RTU** MSDS CODE: CLSE6160RTU.0103-A

GENERIC DESCRIPTION

DATE ISSUED

SUPERSEDES

PREPARED BY

Ready-to-Use Glass Cleaner

01-10-03

New

Regulatory Affairs Department

## SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

MIROCLEAR™ Sustainable Earth™ Glass & Surface Cleaner RTU contains no hazardous ingredients as defined in OSHA 29 CFR 1910.1200. There are no non-functional fragrances added to this product.

Full list of ingredients was provided to third party certifier. Third party certifier verified accuracy of the claims and statements made about this product on this MSDS, product container label and all marketing literature.

## SECTION 3: HAZARD IDENTIFICATION

**Primary Entry Routes:** Skin Contact **Signs & Symptoms of Exposure:** Incidental skin contact is not expected to cause any significant irritation. **Effects of Overexposure:** Prolonged skin contact or eye contact may cause mild reddening. This product has a low potential for skin absorption based upon review of the absorption information provided by individual ingredients manufacturers.

## SECTION 4: FIRST AID MEASURES

**Emergency First Aid Procedures:** SKIN CONTACT: Rinse skin thoroughly with water. EYE CONTACT: Flush eyes with water for 15-20 minutes. If reddening occurs and persists then get prompt medical aid. INGESTION: Drink large amounts of water, consult a physician. **24-HR MEDICAL EMERGENCY PHONE: 800-808-4691**

## SECTION 5: FIRE FIGHTING MEASURES

**Flash Point:** MIROCLEAR™ Sustainable Earth™ Glass & Surface Cleaner RTU is not considered a fire hazard, nor will it support combustion. **Extinguishing Media:** Use standard firefighting measures to extinguish fires involving this material (water spray, dry chemicals or foam).

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Release or Spill:** Recover liquid with wet mop or wet/dry vacuum. Flush residue to sanitary sewer with water. Use care, floor may become slippery. All Federal, State and Local regulations should be carefully followed. Discarded product is not a hazardous waste according to RCRA, 40 CFR 261.

## SECTION 7: HANDLING AND STORAGE

Keep out of reach of children. Avoid eye and prolonged skin contact.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Respiratory Protection:** No special requirements under normal use conditions. **Protective Gloves:** No special requirements for normal use conditions. **Eye Protection:** No special requirements for normal use conditions.

**Other Protective Measures:** No special requirements for normal use conditions.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance/Odor:** Clear Lt. Red Liquid/Ultra Low Odor      **Boiling Point:** >212F      **Evap. Rate:** NA      **pH:** 6.5  
**Vapor Density:** ND      **Vapor Pressure:** <1.0      **Specific Gravity:** 1.00      **Solubility in Water:** Complete      **%Volatile:** 100

**SECTION 10: STABILITY AND REACTIVITY**

MIROCLEAR™ Sustainable Earth™ Glass & Surface Cleaner RTU is stable and non-reactive.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Oral Toxicity:** MIROCLEAR™ Sustainable Earth™ Glass & Surface Cleaner RTU is non-toxic based upon current information available to MIROTEK and provided by all ingredient manufacturers. It exhibits acute oral LD50 values greater than >5g/kg for rats and acute dermal LD50 values greater than >2g/Kg for rabbits. **No PBTs:** This product contains none of the persistent, bioaccumulative and toxic chemicals (PBT) as listed by EPA: dioxins & furans, toxaphene, PCBs, Mirex, Mercury & compounds, Octachlorostyrene, alkyl-lead, DDT, Hexachlorobenzene, aldrin/dieldrin, benzo(a)pyrene and chlordane. **No Butyl:** Contains no 2-butoxyethanol (butyl). **No Endocrine Modifiers:** Based upon information provided by manufacturers of all ingredients used to manufacture this product, none of the ingredients used in this product contain more than 0.1% by weight of endocrine modifiers including APE, OPE, NPE and dibutyl phthalate. **Ingredients:** All ingredients of this product are listed on TSCA 1985 Chemical Substance Inventory and 1990 Supplement. Product conforms to California Proposition 65 and meets all current VOC regulations. This product does not contain any chemical subject to the reporting requirements of CERCLA or SARA Section 302 or 313. No ingredients in this product are currently listed as carcinogens, mutagens or teratogens by NTP, IARC or OSHA.

**SECTION 12: ECOLOGICAL INFORMATION**

This product is readily biodegradable based upon the Modified OECD screening tests on all ingredients including the alkyl polyglycoside surfactants. This product had a test result of 94% which exceeds the 70% dissolved oxygen content requirement for classification as readily biodegradable. After this product's use, it will biodegrade in sewage systems and/or the environment. Contains no alkyphenol ethoxylates (APE). No ingredients used to make this product are listed in the toxic release inventory (TRI) chemicals list under Superfund Amendments and Reauthorization Act (SARA) Title III, Section 313. This product contains no ozone-depleting chlorinated compounds as specified by the Montreal Protocol. This product contains no paradichlorobenzene 1,4-dioxane, sodium hypochlorite, NTA or sodium EDTA. This product contains volatile organic compounds (VOC) in a concentration of less than 1% of the weight of the product. This product contains no phosphates or phosphorous. **Aquatic Toxicity:** This product is not toxic to aquatic life, as tested in an independent certified laboratory and measured by EPA Environmental Effects Testing Guidelines found in 40CFR Chapter 1, Part 797, and has met the testing criteria for Acute, EC20 fish (96hr.) >1,000 mg/L

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Information:** Waste Disposal Information: No special method. Observe all applicable Federal, State and Local regulations, rules and/or ordinances regarding disposal of non-hazardous materials. Discarded product is not a hazardous waste according to RCRA, 40 CFR 261. This product is not considered a hazardous waste in Oregon or Washington as defined in WAC 173-303-070 or as characterized in WAC 173-303-090. Observe all applicable Federal, State and Local regulations, rules and/or ordinances regarding disposal of non-hazardous materials.

**SECTION 14: TRANSPORT INFORMATION**

**DOT EMERGENCY 24-HR: (800) 424-9300**      **DOT Class:** Not Regulated

**SECTION 15: REGULATORY INFORMATION**

MIROCLEAR™ Sustainable Earth™ Glass & Surface Cleaner is packaged in recyclable Type 2 HDPE plastic gallon containers. And the containers are shipped in cardboard cartons that are made from 25% Post-Consumer Materials.

**SECTION 16: OTHER INFORMATION**

Always follow label directions carefully when using this or any other chemical product. If information about this product is required, please contact MIROCLEAR at 310-639-1681.

Keep MSDSs filed and organized in an area accessible to workers according to the Hazard Communication Standards.

*All information appearing herein has been third party certified and is given in good faith. No warranty is made, expressed or implied including merchantability or fitness for a particular purpose. All conditions of use are beyond the control of MIROTEK. Therefore, users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes. The data contained herein is confidential and intended solely for the user's internal use.*