



**REFLECTIVE FLOOR**  
ARCHITECTURAL POLISHED CONCRETE SYSTEMS

Effective Date: June 27, 2019

Supersedes: N/A

**1. PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION**

Product Name: ReflectiCLEAN Concrete Cleaner & Restorer  
Product Use: Concrete Floor Cleaner

Manufacturer: Reflective Floor  
614 Heron Drive, Suite 2  
Swedesboro, NJ 08085  
Phone: 667-701-1700

Emergency Telephone (24h): INFOTRAC 1-800-535-5053 (US & Canada)  
1-352-323-3500 (International)

Medical Emergency: 1-800-535-5053

**2. HAZARD(S) IDENTIFICATION**

GHS Classification: Acute Toxicity 4 (oral) H302  
Eye Irritation 2A H319  
Skin Irritation 2 H315

Hazards Summary: This product is Alkaline. Harmful if swallowed. Avoid contact with eyes and skin. May cause irritation to the respiratory system. Keep out of reach of children. Caution: spillages may be slippery.

Hazard Pictogram:



GHS Signal Word: **WARNING**

Hazard Statements:

- H302: Harmful if swallowed.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.

Precautionary Statements:

- P262+P264: Do not get in eyes, on skin, or on clothing.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P310: IF SWALLOWED: Immediately call a POISON CONTROL CENTER or doctor/physician.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Characterization: Mixtures

Description: Mixture of the substances listed below with non-hazardous additions.



## Dangerous Components:

112-34-5 2-(2-butoxyethoxy) ethanol: 7.5 – 15.0%  
68439-46-3: 1.0 – 5.0%

#### 4. FIRST AID MEASURES

- Eye:** In the event of contact, flush eyes with water immediately for at least 15 minutes while holding eyelids open. Remove contacts, if worn after initial flushing for several minutes first. Seek medical attention if irritation persists.
- Skin:** In the event of contact, thoroughly wash exposed skin with soap and plenty of water. Remove contaminated clothing, clean thoroughly before reuse.
- Inhalation:** Move to fresh air. If symptoms persist, consult physician.
- Ingestion:** Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

*Notes to Physicians:* Treatment based on judgement of attending physician.

#### 5. FIRE FIGHTING MEASURES

- Suitable extinguishing media:* Any standard extinguishing media (alcohol foam, water spray, CO<sub>2</sub> dry chemical, etc.)
- Unsuitable extinguishing media:* None known.
- Special exposure hazards:* No further relevant information is available
- Special safety equipment:* Self-contained positive pressure breathing apparatus and protective clothing.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal Precautions, Protective Equipment and Emergency Procedures

*General Measures:* Do not get in eyes, on skin, or on clothing. Do not breathe vapor or mist.

##### For Non-Emergency Personnel

*Protective Equipment:* Use appropriate personal protection equipment (PPE).  
*Emergency Procedures:* Evacuate unnecessary personnel.

##### For Emergency Personnel

*Protective Equipment:* Equip cleanup crew with proper protection.  
*Emergency Procedures:* Stop leak if safe to do so. Ventilate area.

**Environmental Precautions** Prevent entry to sewers and public waters.

##### Methods and Material for Containment and Cleaning Up

*For Containment:* Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
*Methods for Cleaning Up:* Clear up spills immediately and dispose of waste safely.

**Reference to Other Sections:** See Heading 8. Exposure controls and personal protection.



**7. HANDLING AND STORAGE**

<i>Handling:</i>	Ensure good ventilation at the workplace.
<i>Fire &amp; explosion protection:</i>	Keep respiratory protective device available. No special measures required.
<i>Storage:</i>	Store in cool, dry conditions in tightly sealed receptacles. Protect from humidity and water. Store container in a well-ventilated area. Keep container tightly sealed. Avoid storage near extreme heat, ignition sources or open flame. Store away from food.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<i>Respiratory protection:</i>	Use local exhaust or dilution ventilation.
<i>Hand Protection:</i>	Chemical resistant gloves.
<i>Eye Protection:</i>	Safety goggles or full-face shield.
<i>Skin Protection:</i>	Use body-covering clothing.
<i>Working Hygiene:</i>	Take usual precautions when handling. Workers should wash hands before drinking, or smoking.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<i>Appearance:</i>	Clear/Liquid
<i>Color:</i>	Purple
<i>Odor:</i>	Sassafrass

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	11.2 +/- 0.5	None known
Melting/Freezing Point	No Data Available	None known
Boiling Point/Range	Est. 100° C / 212° F	None known
Flash Point	None	None known
Evaporation Rate	No Data Available	None known
Flammability (solid, gas)	No Data Available	None known
Flammability Limit in Air: Upper Limit	No Data Available	None known
Lower Limit	No Data Available	None known
Vapour Pressure	No Data Available	None known
Vapour density	No Data Available	None known
Specific Gravity	1.03-1.04 g/cm <sup>3</sup>	None known
Water Solubility	Soluble in water	None known
Solubility Other Solvents	No Data Available	None known
Partition Coefficient: n-octanol/water	No Data Available	None known
Autoignition temperature	No Data Available	None known
Decomposition Temperature	No Data Available	None known
Kinematic Viscosity	No Data Available	None known
Dynamic Viscosity	No Data Available	None known
Explosive Properties	No Data Available	None known
Oxidizing Properties	No Data Available	None known

Other Properties:

Softening Point	No Data Available
Volatile Organic Compound (VOC) per Federal Register, Vol 57, No. 221/3/92, per Title 1. Clean Air Act, Amendments of 1990: 8.55% Full Strength 0.04% at 12oz to 20 Gal. dilution	

40 CFR Chapter 1 Subpart C. National Volatile Organic Compound Emission Standards for Consumer Products, 59.203 From 63 FR 48831 Sept 11, 1998: **EXEMPT VOC**



<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
Particle Size	No Data Available	None known
Particle Size Distribution	No Data Available	None known

## 10. STABILITY AND REACTIVITY

<i>Stability:</i>	Stable under normal conditions.
<i>Conditions to avoid:</i>	Incompatible agents.
<i>Incompatible materials:</i>	Oxidizing agents, acids.
<i>Hazardous decomposition products:</i>	Oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity: LD/LC50 values relevant for classification:</i>	
<i>Diethylene Glycol:</i>	LD50: 4,500 mg/kg rat/oral LD50: >2,000 mg/kg rat/dermal Fatty Alcohol Ethoxylate: LD50 (Oral) Rat 2000 mg/kg
<i>Disodium Metasilicate:</i>	LD50 Oral Rat 1153 mg/kg
<i>Primary irritant effect:</i>	Skin: Irritant Eye: Irritant
<i>Sensitization:</i>	No sensitizing effects known.
<i>Additional toxicological information:</i>	None known

## 12. ECOLOGICAL INFORMATION

<i>Toxicity:</i>	Diethylene Glycol: LC50 (Fish,96h): 1,300 mg/L ----EC 50 (daphnid,48h): >= 100 mg/L chronic toxicity for diethylene glycol monobutyl ether: EC50 (alga,96h): >= 100 mg/L
<i>Persistence and Degradability:</i>	No data available for product.
<i>Bio accumulative Potential:</i>	No data available for product. According to classification scheme, this BCF suggests the potential for bioconcentration in aquatic organisms is low. Diethylene glycol is expected to have a high rate of mobility in soil. According to a classification scheme (this BCF suggests the potential for bioconcentration in aquatic organisms is low.)
<i>Mobility in Soil:</i>	No data available. Diethylene glycol is expected to have a higher rate of mobility in soil.
<i>Results of PBT and vPvB Assessment:</i>	Not required.
<i>Other Adverse Effects:</i>	None.

## 13. DISPOSAL

<i>Waste Disposal:</i>	Whatever material cannot be saved for recovery or recycled should be managed by local, state, regional, national and international regulations.
<i>Ecology:</i>	Avoid release to the environment.
<i>Container Handling:</i>	All containers should be triple rinsed and disposed of in accordance with all local, State, and federal regulations.



**14. TRANSPORTATION INFORMATION**

<i>Ground Specification:</i>	Not regulated by US DOT	<i>ID Number:</i>	None
<i>Shipping Name:</i>	ReflectiCLEAN Concrete Cleaner & Restorer	<i>Packaging Group:</i>	None
<i>Canadian T.D.G.:</i>	Not regulated.	<i>Labels:</i>	No US DOT Labels
<i>Typical Shipping Name:</i>	None		
<i>UNFIC:</i>	None		<i>Not regulated by IATA or IMA</i>

**15. REGULATION**

*TSCA Status: (Toxic Substances Control Act Section 8 (b) Inventory):*  
 All chemical substances in this product are included on or exempt from listing on the TSCA Inventory of Chemical Substances.

*SARA 313:* This product contains the following listed substances: None

*SARA 311/312 Hazard Categories:*  
 Acute Hazard: Yes  
 Chronic Health Hazard: No  
 Fire Hazard: No  
 Sudden release of pressure hazard: No  
 Reactive hazard: No

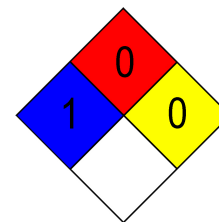
*California Proposition65:* Contains Proposition 65 chemicals: None

**16. OTHER INFORMATION**

Hazardous Material Information (HMIS)

National Fire Protection Association (NFPA)

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	C



Health

- 4- Deadly
- 3- Extreme Danger
- 2- Dangerous
- 1- Slight Hazard
- 0-No Hazard

Fire

- 4- < 73 °C
- 3- < 100 °C
- 2- < 200 °C
- 1- > 200 °C
- 0-Will not Burn

Reactivity/Instability

- 4- May Detonate
- 3- Explosive
- 2- Unstable
- 1- Normal Stable
- 0-Stable

*Risk phrases:* R36: Irritating to eyes  
 R37: Irritating to respiratory system  
 R38: Irritating to skin.

*Safety phrases:* S2: Keep out of reach of children  
 S24: Avoid contact with skin  
 S25: Avoid contact with eyes  
 S37: Wear suitable gloves  
 S39: Wear eye/face protection

*Disclaimer: The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate based on the data available. The manufacturer makes no warranty expressed or implied regarding the accuracy, results or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. Accordingly, we assume no responsibility for injury from the use of this product. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

