



Effective Date: August 07, 2019

Supersedes: June 28, 2016

1. PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION

Product Name: ReflectiFINISH Concrete Guard
Product Use: Concrete guard, topical micro-coating

Manufacturer: Reflective Floor
7240 Standard Drive
Hanover, MD 21076
(667) 701-1700

Emergency Phone for Hazardous Materials– Accidents, Incident Spills, Leaks, Exposures, or Fire (24h):

INFOTRAC 1-800-535-5053 (US & Canada)
1-352-323-3500 (International)

2. HAZARD(S) IDENTIFICATION

Hazard Pictogram:



GHS Signal Word: WARNING

Hazards Summary: Read all Hazard Statements and Precautionary Statements below: This product is alkaline. Keep out of reach of children. May be harmful if swallowed. Causes skin irritation. Causes eye irritation. May cause respiratory irritation. Avoid breathing vapors or mists. Wash exposed skin thoroughly with soap and water. Wear protective gloves, and safety glasses with side shields.

CODE OF HAZARD STATEMENTS:

Health Hazards:

- H303: May be harmful if swallowed.
- H315: Causes skin irritation.
- H320: Causes eye irritation.
- H333: May be harmful if inhaled.
- H335: May cause respiratory irritation.

Environmental Hazards: NDA

CODE OF PRECAUTIONARY STATEMENTS:

GENERAL

- P102: Keep out of reach of children.

PREVENTION

- P203: Obtain, read and follow all instructions before use.
- P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264: Wash hands and/or exposed skin thoroughly after handling.
- P273: Avoid release to the environment.

P280: Wear protective gloves, clothing, and eyeglasses with side shields.

P285: In case of inadequate ventilation wear respiratory protection.

P321: Specific treatment (Reference First Aid Section 4 on SDS).

P332: If skin irritation occurs: Get medical help.

P337: If eye irritation persists: Get medical help.

P362: Take off contaminated clothing and wash before reuse.

P363: Wash contaminated clothing before reuse.

RESPONSE

P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

STORAGE

P412: Do not store in temperatures below 41°F (5°C) or above 95°F (35°C).

DISPOSAL

P501: Dispose of contents/container in accordance with local, state, and federal regulations.

ROUTES OF ENTRY: Eye contact, skin absorption, ingestion, and inhalation.

CARCINOGENICITY: None known at this time.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS #	EINECS No.	% by Weight	REACH
Acrylic Copolymer/Trade Secret	Proprietary	Proprietary	5 -10	N/A
1-Phenoxy-2-Propanol/Trade Secret	770-35-4	212-222-7	1 - 5	N/A

*The exact percentage (concentration) of composition has been withheld as trade secrets.

4. FIRST AID MEASURES

Eye: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Remove any contact lenses if easy to do so. Seek medical help.

Skin: Wash off immediately with water. Rinse skin thoroughly with soap and water. If irritation develops, seek medical help.

Inhalation: Inhalation of aerosol/mist may cause respiratory irritation. Move affected person to fresh air.

Ingestion: Rinse mouth with water to remove any residual chemicals. Drink plenty of water. DO NOT induce vomiting. If the person vomits, clean their airway, and turn their head to the side to prevent choking. If the person is unconscious but breathing, place them stably on their left side in recovery position. Seek immediate medical attention.

Take a copy of the label and/or SDS with the victim to the health professional.

5. FIRE FIGHTING MEASURES

Flash Point: Not flammable / Non-Combustible

Flammability Limits: None anticipated.

Extinguishing Media: Dry chemical, carbon dioxide. Caution: Using water spray may be inefficient.

Procedures: Fire fighters should wear protective clothing appropriate for the surrounding fire(s). Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Material is alkaline and may cause the floor to be slippery.

6. ACCIDENTAL RELEASE MEASURES

Clean-up Procedures: Material is alkaline, wear proper PPE. Avoid skin contact by wearing appropriate chemical gloves (neoprene, PVC, Nitrile, or natural rubber). Do not get in eyes, wear safety glasses with side shields. Ensure adequate ventilation, especially in confined areas.

Spills and leaks: Contain spill immediately with inert, absorbent materials (sand, earth, cat litter, chemical spill cotton pads) by forming berms or dikes to contain and absorb spill to prevent material from spreading further. Do NOT dispose of or allow spillage to enter to run into waterways, storm drains or sewer systems. Use gloves and any tools to pick up absorbent and transfer to properly labeled container for disposal or recovery. Wash area with water. Dispose of in accordance with local, state, or federal regulations.

7. HANDLING AND STORAGE

Handling: Avoid getting in eyes. Avoid skin contact. Do not taste or swallow. Wash thoroughly after handling.

Storage: Keep tightly closed in original labeled containers. Keep in cool, dry, and well-ventilated areas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering: Showers, eyewash stations, and exhaust ventilation to control airborne concentration levels to remain below the recommended exposure limits.

Respiratory Protection: Wear a NIOSH/MSHA approved respirator if the airborne particulates are exceeding the recommended exposure limits, or irritation is experienced. Positive pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hand/Skin Protection: Chemical resistant, impervious gloves (neoprene, PVC, Nitrile, or natural rubber). Long sleeve shirts, long pants, socks, rubber boots.

Eye Protection: Safety goggles, glasses with side shields or face shields.

Working Hygiene: Take precautions when handling. Wash hands, exposed skin with soap and water before eating, drinking, or smoking. Wash contaminated clothing before reuse.

Environmental: Proper disposal techniques to isolate and recover material should be implemented. Do not allow to enter drains, sewers, or watercourses.

SUBSTANCE	CAS #	PEL (OSHA)	TLV (ACGIH)	NIOSH (REL)
2-(2-methoxypropoxy)propanol	34590-94-8	TWA: 100 ppm TWA: 600 mg/m3 (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m3 (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m3 (vacated) S*	STEL: 150 ppm TWA: 100 ppm S*	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m3 STEL: 150 ppm STEL: 900 mg/m3
Sodium Hydroxide	1310-73-2	TWA: 2 mg/m3 (vacated) Ceiling: 2 mg/m3	Ceiling: 2 mg/m3	IDLH: 10 mg/m3 Ceiling: 2 mg/m3
Ethanol	64-17-5	TWA: 1000 ppm TWA: 1900 mg/m3 (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m3	STEL: 1000 ppm	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m3
Ammonia	7664-41-7	TWA: 50 ppm TWA: 35 mg/m3 (vacated) STEL: 35 ppm (vacated) STEL: 27 mg/m3	STEL: 35 ppm TWA: 25 ppm	IDLH: 300 ppm TWA: 25 ppm TWA: 18 mg/m3 STEL: 35 ppm STEL: 27 mg/m3

IDLH: Immediately Dangerous to Life and Health *:"S" Substance has the potential to produce sensitization, as confirmed by human or animal data.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color / Appearance / Odor:	Off White / Liquid (Opaque) / Slight Ammonia	Specific Gravity:	1.019
pH:	9 - 10	Solubility:	No Data Available
VOC:	Not Determined	Viscosity:	<25 cP @ 68°F (20°C)
Evaporation Rate:	No Data Available	Density (lbs/gal):	8.50
Freezing Point:	No Data Available	Flash Point:	Non-Combustible
		Boiling Point:	212°F (100°C)

10. STABILITY AND REACTIVITY

<i>Reactivity:</i>	No Data Available
<i>Chemical Stability:</i>	Considered stable under normal ambient temperatures and storage conditions.
<i>Hazardous Decomposition:</i>	None anticipated on information supplied.
<i>Hazardous Reactions:</i>	None under normal processing.
<i>Incompatible Materials to Avoid:</i>	Extremes of temperature and direct sunlight.

11. TOXICOLOGICAL INFORMATION

Exposure Routes: Skin Contact, Eye Contact, Inhalation, Ingestion

Chemical Name	Oral LD50	Dermal LD50:	Inhalation LC50
1-Phenoxy-2-propanol (CAS #770-35-4)	= 2830 mg/kg (Rat)	> 2 g/kg (Rabbit)	---

Delayed and immediate effects as well as chronic effects from short and long-term exposure

<i>Sensitization:</i>	No Information Available
<i>Germ cell mutagenicity:</i>	No Information Available
<i>Carcinogenicity:</i>	No Information Available
<i>Reproductive toxicity:</i>	No Information Available
<i>STOT - single exposure:</i>	No Information Available
<i>STOT - repeated exposure:</i>	No Information Available
<i>Aspiration hazard:</i>	No Information Available

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity: 0.04% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral): 44,952.00 mg/kg

12. ECOLOGICAL INFORMATION

<i>Ecotoxicity:</i>	The toxicity of this product has not been determined.
<i>Environmental Fate:</i>	This product should be expected to be readily biodegradable.

13. DISPOSAL

<i>Material(s):</i>	Use up or dry out left over material and dispose of per regulations. Do not dump in storm drains or sewers.
<i>Container Handling:</i>	All containers should be disposed of in accordance with all local, state, and federal regulations. Do not reuse containers.

14. TRANSPORTATION INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material

Safety Data Sheet (SDS)

ReflectiFINISH Concrete Guard

for shipment. For additional information, please contact the manufacturer listed in Section 1 of this SDS.

Ground Classification: Not regulated by US DOT
Shipping Name: ReflectiFINISH Concrete Guard

15. REGULATION

EPCRA 311/312 Categories: Immediate (Acute) Health Effects: No
Delayed (Chronic) Health Effects: No
Fire Hazard: No
Sudden Release of Pressure: No
Reactivity Hazard: No

EPA TSCA Inventory: Complies

DSL/NDSL: Complies

Reportable Quantity (40 CFR 302.4): Unknown

SARA 311/312 - Hazard Categories: None

SARA 313 - Toxic Chemicals (40 CFR 372): None

SARA 302 - Extremely Hazardous Substances (40 CFR 355): None

California Prop. 65: None

US EPA Label Information: EPA Pesticide Registration Number: Not Applicable

Right to Know Classifications:

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-(2-ethoxyethoxy)ethanol (CAS# 111-90-0)	X		X
[2-(2-Methoxymethylethoxy)methylethoxy]-propanol (CAS# 25498-49-1)	X		X
Zinc ammonium carbonate	X		X
2-(2-methoxypropoxy)propanol (CAS# 34590-94-8)	X	X	X
Sodium Hydroxide (CAS# 1310-73-2)	X	X	X
Ethanol (CAS# 64-17-5)	X	X	X
Ammonia (CAS# 7664-41-7)	X	X	X
Magnesium Nitrate (CAS# 10377-60-3)	X	X	X

ABBREVIATIONS:

CAS#	Chemical Abstract Service Number	EINECS	European Inventory of Existing Commercial Chemical Sales
°C	Celsius temperature scale	°F	Fahrenheit temperature scale
Prop.	Proprietary	PPE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term	PEL	Permissible Exposure Limit
OSHA	Occupational Safety & Health	NIOSH	National Institute of Safety & Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Info System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery Act	TSCA	Toxic Substance Control Act
EC50	Effective Dose	LC50	Lethal Inhalation Concentration
LD50	Lethal Dose	LEL	Lower explosive limit
UEP	Upper explosive limit	NDA	No Data Available
ND	Not determined	NE	None established
NA	Not Applicable	<	Less Than
>	Greater Than	CNS	Central Nervous System
CI	China	DSL	Canadian Domestic Substance List

EEC	European Economic Commission	NDSL	Non-Domestic Substances List (Canada)
ECL	Korean Existing Chemicals List	ENCS	Japanese Existing and New Chemical
EU	European Union	MAC	Netherlands
MAK	Germany	MITI	Japan
PICCS	Philippines	SWISS	Giftliste 1
UK	United Kingdom	USA	United States
VOC	Volatile organic content	ACGIH	American Conference of Government Industrial Hygienists
SARA	Superfund Amendments and Reauthorization Act		
AICS	Australian Inventory of Chemical Substances		
IARC	International Agency for Research on Cancer		
Taiwan	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086		

16. OTHER INFORMATION

NFPA HMIS

Health Hazards: 0

Health Hazards: 0

Personal Protection: X

Flammability: 0

Flammability: 0

Instability: 0 Physical & Chemical Properties: Yes

Physical Hazards: 0

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.

End of Section

Date Prepared: October 22, 2024

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