

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name:	Reflect
Product Use:	Floor Sealer Finish
Supplier Name and Address:	Corpack Canada 16 Seapark Drive, St. Catharines, ON L2M 6S6
Telephone:	: (905) 682-8888
Emergency Telephone:	: CANUTEC (613) 996-6666

SECTION 2 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Physical State:	Liquid
GHS Classification:	
Skin Irritation:	Not Classified
Eye Irritation:	Not Classified
Acute Toxicity:	Not Classified
GHS Label Elements:	
Hazard Pictograms	



Signal Word:	Warning
Hazard Statements:	H303 May be harmful if swallowed
Precautionary Statements:	Prevention P102 Keep out of reach of children P262 Do not get in eyes, on skin, or on clothing
	Response P302 IF ON SKIN: Flush with plenty of water for at least 15 minutes P305 IF IN EYES: Flush with plenty of water for at least 15 minutes P332+P313 If skin irritation persists, get medical attention
Potential Health Effects:	
Inhalation	: If misted, may cause irritation of mucous membranes and/or coughing
Skin	: Slightly irritating to the skin. May cause irritation of sensitive skin.
Eyes	: May cause irritating, watering of eyes and inflammation of conjunctiva.
Ingestion	: May cause gastrointestinal upsets, nausea, and/or vomiting.
Aggravated Medical Condition	: None known
Symptoms of Overexposure	: See section 11.

SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS

Chemical Name	CAS-No.	Concentration [%]	Trade Secret
Tributoxyethyl Phosphate	78-51-3	0-5	*

* The exact percentage has been withheld as a trade secret

SECTION 4 - FIRST-AID MEASURES

General Advice	: Move out of dangerous area Consult a physician Show this Safety Data Sheet to the doctor in attendance
Inhalation	: Move victim to fresh air.
Skin Contact	: Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Seek medical attention if irritation develops/persists.
Eye Contact	: If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Get medical attention if irritation develops and persists. Rinse with water. Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Seek medical attention if irritation develops.
Ingestion	: Rinse mouth with water and drink afterwards plenty of water.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measure that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical	: None known
Special protective actions for fire-fighters	: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Additional advice	: None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions	: Wear appropriate protective equipment.
Environmental precautions	: Prevent entry into sewers or streams. Dike if needed.
Methods and materials for containment/cleaning up	: Place in suitable labeled containers and hold for waste disposal. Wash spill site with water.
Additional advice	: None

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling	: Use of nitrile gloves and eye protection is optional.
Conditions for safe storage	: Keep out of reach of children. Do not freeze. Store in a closed container away from incompatible materials as provided in Section 10.
Other data	: Do not freeze.

SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters			
Exposure Guidelines			
Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH

Exposure guidelines noted for ingredient(s).

SAFETY DATA SHEET

Reflect

Ammonia
7664-41-7

STEL: 35 ppm
TWA: 25 ppm

TWA: 50 ppm
TWA: 35 mg/m3
(vacated) STEL: 35 ppm
(vacated) STEL: 47 mg/m3

IDLH: 300 ppm
TWA: 25 ppm
TWA: 18 mg/m3
STEL: 35 ppm
STEL: 27 mg/m3

NIOSH IDLH Immediately Dangerous to Life or Health
Other Information

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Showers, Eyewash stations & Ventilation systems.

Engineering Controls

Individual protection measures, such as personal protective equipment

Wear safety glasses with side shields (or goggles).

Eye/face protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Skin and body protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations.

Respiratory protection

Respiratory protection must be provided in accordance with current local regulations.

General Hygiene

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	: Opaque, white liquid
Odor:	: Typical Acrylic Polymer
Odor Threshold:	: Not available
pH:	: 8.0-9.0
Melting point/ freezing point:	: Not available
Initial boiling point and boiling range:	: 100 °C (@760mm Hg)
Flash point:	: None
Evaporation rate:	: Not available
Flammability (solid, gas):	: Not available
Upper/lower flammability or explosive limits:	: Not available
Vapour pressure:	: Not available
Vapour density:	: Not available
Relative density (g/mL):	: 1.055
Water solubility:	: Complete
Solubility in other solvents:	: Not available
Partition coefficient: n-octanol/water:	: Not available
Auto-ignition temperature:	: Not available
Decomposition temperature:	: Not available
Viscosity:	: <100 cP @25°C
Density (lbs/gal)	: 8.80
Decomposition temperature	: Not available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	: No data available
Chemical Stability	: Stable under recommended storage conditions
Possibility of hazardous reactions	: None under normal processing
Conditions to avoid	: Extremes of temperature and direct sunlight
Incompatible materials	: Not known based on information supplied
Hazardous decomposition products	: None known based on information supplied

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure
Product Information

Reflect

Inhalation

Avoid breathing vapors or mists. May causes irritation of respiratory tract.

Eye contact

Avoid contact with eyes. May cause irritation.

Skin Contact

Avoid contact with skin. Causes mild skin irritation.

Ingestion

May be harmful if swallowed. Do not taste or swallow.

Chemical Name

Tributoxyethyl Phosphate
78-51-3

Oral LD50

= 3 g/kg (Rat)

Dermal LD50

> 16 mL/kg (Rabbit)

Inhalation LC50

> 6.4 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms

No Information available.

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

Sensitization

No Information available.

Germ cell mutagenicity

No Information available.

Carcinogenicity

No Information available.

Reproductive toxicity

No Information available.

STOT - single exposure

No Information available.

STOT - repeated exposure

No Information available.

Aspiration hazard

No Information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity

2.734997% 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)

6,829.00 mg/kg

ATEmix (dermal)

23,888.00 mg/kg

ATEmix (inhalation-dust/mist)

72.85 mg/l

SECTION 12 - ECOLOGICAL INFORMATION

Product Information:

Toxicity: : Not available

Persistence and degradability: : Not available

Bioaccumulative potential: : Not available

Mobility in soil: : Not available

Other adverse effects: : Not available

Toxicology Data for Ingredients:

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Tributoxyethyl Phosphate		10.4-12.0: 96 h Pimephales promelas mg/L LC50 flow through	
2-(2-ethoxyethoxy)ethanol		19100-23900:96 h Lepomis macrochirus mg/L LC50 flow-through 11400-15700: 96 h Oncorhynchus mykiss mg/L LC50 flow through 11600-16700: 96h Pimephales promelas mg/L LC50 flow through 13400: 96 h Salmo gairdneri mg/L LC50 flow through 10000: 96 h Lepomis macrochirus mg/L LC50 static	3940-4670: 48 h Daphnia magna mg/L EC50
Ammonia		0.44:96h Cyprinus carpio mg/L LC50 1.5: 96h Poecilia reticulata mg/L LC50 0.26-4.6: 96h Lepomis macrochirus mg/L LC50 5.9:96h Pimephales promelas mg/L LC50 static 1.19:96h Poecilia reticulata mg/L LC50 static 0.73-	25.4:48h Daphnia Magna mg/L LC50

		2.35:96h Pimephales promelas mg/L LC50 1.17:96h Lepomis macrochirus mg/L LC50 flow-through	
Methyl Chloro Isothiazolinone	0.11-0.16: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.03-0.13: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 0.31: 120 h Anabaena flos-aquae mg/L EC50	1.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static	4.71: 48 h Daphnia magna mg/L EC50 0.12-0.3 48 h Daphnia magna mg/L EC50 flow through 0.71-0.99: 48 h Daphnia magna mg/L EC50 static
Magnesium Chloride	2200: 72 h Desmodemus subspicatus mg/L EC50	4210: 96 h Gambusia affinis mg/L LC50 static 1970-3880: 96 h Pimephales promelas mg/L LC50 static	1400: 24 h Daphnia magna mg/L EC50 140: 48 h Daphnia magna mg/L EC50 static

Partition Coefficient
Tributoxyethyl Phosphate

:3.65-4.78

SECTION 13 - DISPOSAL CONSIDERATIONS

Product : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Do not reuse container.

SECTION 14 - TRANSPORT INFORMATION

UN Number : Not available
UN Proper Shipping Name : Not available
Transport hazard class(es) : Not available
Packing group, if applicable : Not available
Environmental hazards : Not available
Special precautions for user : Not Available
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable

SECTION 15 - REGULATORY INFORMATION

WHMIS Status : Not known
WHMIS classification : Not known
DSL/NDSL : Complies (Canadian Domestic Substances List/ Non-Domestic Substances List)

SECTION 16 - OTHER INFORMATION

Prepared by: Technical Services
Telephone number: (905) 682-8888

Preparation date: April 2019

NOTICE: The data and information presented herein are based upon tests, research and reports which are considered by us to be reliable and believed to be accurate. The data and information are presented without warranty, guarantee or liability on our part, and are presented to the customer for his own consideration, investigation and verification. If user requires independent information on ingredients in this or any other material, we recommend contact with Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905 572-4400)