

SAFETY DATA SHEET

Diamond Guard

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name:	Diamond Guard
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:	Category 3
Eye Irritation:	Category 2
Acute Toxicity:	Category 5
GHS Label Elements:	
Hazard Pictograms	



Signal Word:	Warning
Hazard Statements:	H303 May be harmful if swallowed H315 Causes skin irritation H320 Causes eye irritation
Precautionary Statements:	Prevention P102 Keep out of reach of children P262 Do not get in eyes, on skin, or on clothing P284 In case of inadequate ventilation wear respiratory protection 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.



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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
Acrylic Copolymer	Not available	7-23	*
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. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing and no pulse. Obtain medical attention immediately.

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 : Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Seek medical attention, or contact poison control centre immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. IF SWALLOWED: immediately call a POISON CENTRE or doctor/physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media : Alcohol foam, carbon dioxide, dry chemical
Specific hazards arising from the chemical : None known
Special protective actions for fire-fighters : None

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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. The bacteria and carriers are naturally occurring and should not pose an environmental risk.

Methods and materials for containment/cleaning up : Vacuum or sweep up avoiding generation of mist. 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

2-(2-methoxypropoxy)propano
34590-94-8

ACGIH TLV

STEL: 150 ppm
TWA: 100 ppm
S*

Exposure guidelines noted for ingredient(s).

OSHA PEL

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*

NIOSH IDLH

IDLH: 600 ppm
TWA: 100 ppm
TWA: 600 mg/m³
STEL: 150 ppm
STEL: 900 mg/m³

Zinc oxide
1314-13-2

STEL: 10 mg/m³ respirable
fraction
TWA: 2 mg/m³ respirable fraction

TWA: 5 mg/m³ fume
TWA: 15 mg/m³ total dust
TWA: 5 mg/m³ respirable fraction
(vacated) TWA: 5 mg/m³ fume
(vacated) TWA: 10 mg/m³ total
dust
(vacated) TWA: 5 mg/m³
respirable fraction
(vacated) STEL: 10 mg/m³ fume

IDLH: 500 mg/m³
Ceiling: 15 mg/m³ dust
TWA: 5 mg/m³ dust and fume
STEL: 10 mg/m³ fume

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

No Information available. Avoid contact with eyes.
No Information available. Wear impervious protective
clothing, including boots, gloves, lab coat, apron or coveralls,
as appropriate, to prevent skin contact.

Eye/face protection

Skin and body protection

Respiratory 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 must be provided in accordance with
current local regulations.

General Hygiene

Handle in accordance with good industrial hygiene and safety
practice.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	: Opaque, white liquid
Odor:	: Slight ammonia
Odor Threshold:	: Not available
pH:	: 8.5-9.5
Melting point/ freezing point:	: 0 °C
Initial boiling point and boiling range:	: >=100 °C (@76mm Hg)
Flash point:	: >93 °C
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:	: Not available
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	: 7.85

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

Inhalation	No data available. Avoid breathing vapors or mists.
Eye contact	No data available. Avoid contact with eyes.
Skin Contact	Avoid contact with skin. Causes mild skin irritation.
Ingestion	May be harmful if swallowed. Do not taste or swallow. Not an expected route of exposure.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Tributoxyethyl Phosphate 78-51-3	= 3 g/kg (Rat)	> 16 mL/kg (Rabbit)	> 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.



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STOT - single exposure
 STOT - repeated exposure
 Target organ effects
 Aspiration hazard

No Information available.
 No Information available.
 Central nervous system, EYES, Respiratory system.
 No Information available.

Numerical measures of toxicity - Product Information
 Unknown Acute Toxicity

0% 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) 4,550.00 mg/kg
 ATEmix (dermal) 21,272.00 mg/kg
 ATEmix (inhalation-dust/mist) 162.39 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
[2-(2-Methoxymethylethoxy) methylethoxy]-propanol		11619: 96 h Pimephales promelas mg/L LC50 static	10: 48 h Daphnia magna mg/L EC50
2-(2-methoxypropoxy)propanol		10000: 96 h Pimephales promelas mg/L LC50 static	1919: 48 h Daphnia magna mg/L EC50
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	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



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	static 0.31: 120 h Anabaena flos-aquae mg/L EC50		
Magnesium Chloride	2200: 72 h Desmodosmus 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

SECTION 13 - DISPOSAL CONSIDERATIONS

Product : Sanitary sewer or dry absorbent if available.
For large quantities, contact local environmental department or government authorities
Do not dispose in drains, waterways, or soil
Do not contaminate ponds, or ditches with chemical or the used 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: January 2018

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)