

Material Safety Data Sheet

Material Name: Floraglass with Polycarbonate

*** Section 1 - Chemical Product and Company Identification ***

Manufacturer Information

Floraglass Inc.
13377 Fourth Line, RR4
Acton, Ontario, L7J 2M1
Canada

Phone: 519.853.8965
Fax: 519.853.8966

*** Section 2 - Hazards Identification ***

Emergency Overview

No specific hazards anticipated from normal product handling. Dust and other particulates generated during cutting, shaping, or forming may cause eye, skin, and respiratory tract irritation.

Potential Health Effects: Eyes

Dusts and particulates may cause eye irritation.

Potential Health Effects: Skin

Dusts and particulates may cause skin irritation.

Potential Health Effects: Ingestion

Not a likely route of exposure under normal product use conditions.

Potential Health Effects: Inhalation

Dusts and particulates may cause respiratory tract irritation.

HMIS Ratings: Health: 1 Fire: 0 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component
Not Available	Polycarbonate
Not Available	Paper
5131-66-8	1-Butoxy-2-propanol
1314-13-2	Zinc oxide
29911-28-2	2-Propanol, 1-(2-butoxy-1-methylethoxy)-
34590-94-8	Dipropylene glycol monomethyl ether

*** Section 4 - First Aid Measures ***

First Aid: Eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Eye injuries from glass particles should be treated by a physician immediately.

First Aid: Skin

For skin contact flush with large amounts of water. If irritation persists, get medical attention.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

First Aid: Inhalation

Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

None anticipated.

Hazardous Combustion Products

Not Determined

Extinguishing Media

Use appropriate extinguishing media suitable for surrounding fire.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

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NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

None necessary.

Clean-Up Procedures

No special cleanup procedures needed.

Evacuation Procedures

None

Special Procedures

None

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid dust generation.

Storage Procedures

No special storage procedures needed.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

Zinc oxide (1314-13-2)

ACGIH: 2 mg/m3 TWA (respirable fraction)
10 mg/m3 STEL (respirable fraction)

OSHA: 5 mg/m3 TWA (fume); 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
10 mg/m3 STEL (fume)

NIOSH: 5 mg/m3 TWA (dust and fume)
10 mg/m3 STEL (fume)
15 mg/m3 Ceiling (dust)

Dipropylene glycol monomethyl ether (34590-94-8)

ACGIH: 100 ppm TWA
150 ppm STEL
Skin - potential significant contribution to overall exposure by the cutaneous route

OSHA: 100 ppm TWA; 600 mg/m3 TWA
150 ppm STEL; 900 mg/m3 STEL
Prevent or reduce skin absorption

NIOSH: 100 ppm TWA; 600 mg/m3 TWA
150 ppm STEL; 900 mg/m3 STEL
Potential for dermal absorption

Engineering Controls

Ventilation is not normally required.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear dust goggles.

Personal Protective Equipment: Skin

None necessary.

Personal Protective Equipment: Respiratory

Not normally needed.

Personal Protective Equipment: General

None

*** Section 9 - Physical & Chemical Properties ***

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Material Name: Floraglass with Polycarbonate

Appearance:	Multi-colored	Odor:	None
Physical State:	Solid	pH:	NA
Vapor Pressure:	ND	Vapor Density:	ND
Boiling Point:	ND	Melting Point:	ND
Solubility (H2O):	ND	Specific Gravity:	ND
Evaporation Rate:	NA	VOC:	ND
Octanol/H2O Coeff.:	ND	Flash Point:	ND
Flash Point Method:	ND	Upper Flammability Limit (UFL):	ND
Lower Flammability Limit (LFL):	ND	Burning Rate:	ND
Auto Ignition:	ND		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Avoid dust generation.

Incompatibility

Not Determined

Hazardous Decomposition

Not Determined

Possibility of Hazardous Reactions

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

1-Butoxy-2-propanol (5131-66-8)

Oral LD50 Rat: 5660 µL/kg; Dermal LD50 Rabbit:3100 mg/kg

Zinc oxide (1314-13-2)

Oral LD50 Rat: >5000 mg/kg

2-Propanol, 1-(2-butoxy-1-methylethoxy)- (29911-28-2)

Inhalation LC50 Rat: >2.04 mg/L/4H; Inhalation LC50 Rat:42.1 ppm/4H; Oral LD50 Rat:1620 µL/kg; Dermal LD50 Rabbit:5860 µL/kg

Dipropylene glycol monomethyl ether (34590-94-8)

Oral LD50 Rat: 5230 mg/kg; Dermal LD50 Rabbit:9500 mg/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

2-Propanol, 1-(2-butoxy-1-methylethoxy)- (29911-28-2)

Test & Species

Conditions

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96 Hr LC50 Poecilia reticulata 841 mg/L [static]

Dipropylene glycol monomethyl ether (34590-94-8)

Test & Species

96 Hr LC50 Pimephales promelas >10000 mg/L [static]

48 Hr LC50 Daphnia magna 1919 mg/L

Conditions

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not Regulated

TDG Information

Shipping Name: Not Regulated

*** Section 15 - Regulatory Information ***

US Federal Regulations

Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Zinc oxide	1314-13-2	Yes	Yes	Yes	Yes	Yes	Yes
Dipropylene glycol monomethyl ether	34590-94-8	Yes	Yes	Yes	Yes	Yes	Yes

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Additional Regulatory Information

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Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
1-Butoxy-2-propanol	5131-66-8	Yes	DSL	EINECS
Zinc oxide	1314-13-2	Yes	DSL	EINECS
2-Propanol, 1-(2-butoxy-1-methylethoxy)-	29911-28-2	Yes	DSL	EINECS
Dipropylene glycol monomethyl ether	34590-94-8	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.