

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name HYPERGLOSS TOP COAT

Other means of identification

SDS# 017-017

Details of the supplier of the safety data sheet

Company Name NewGrind Inc
103B – 81 Golden Dr
Coquitlam BC
Canada

Emergency telephone number

Emergency Telephone NewGrind 1-888-457-0242

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This product has been classified in accordance with the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Not classified
Acute toxicity - Dermal	Not classified

Label elements

Emergency Overview

Odor Slight Ammonia

Appearance Opaque

Physical state Liquid

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Hazards not otherwise classified (HNOC)

Other Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Acrylic Copolymer	Proprietary	10-30	*
Tributoxyethyl Phosphate	78-51-3	1-5	*
Polyurethane Polymer	Proprietary	1-5	*
2-(2-ethoxyethoxy)ethanol	111-90-0	1-5	*
[2-(2-Methoxymethyl)ethoxy]methyl]ethoxy]-propanol	25498-49-1	1-5	*
Zinc ammonium carbonate	Proprietary	1-5	*

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

4. FIRST AID MEASURES

First aid measures

Skin Contact	Wash off immediately with plenty of water. Wash skin with soap and water.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms	Any additional important symptoms and effects are described in Section 11: Toxicology Information.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No Information available.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation, especially in confined areas.
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Environmental precautions

Environmental precautions	See Section 12 for additional ecological information.
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Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
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Methods for cleaning up	Pick up and transfer to properly labeled containers.
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7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines Exposure guidelines noted for ingredient(s).

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-(2-methoxypropoxy)propanol 34590-94-8	TWA: 100 ppm	TWA: 100 ppm TWA: 600 mg/m ³ (vacated) STEL: 900 mg/m ³	STEL: 150 ppm
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1900 mg/m ³	TWA: 1000 ppm
Ammonia 7664-41-7	STEL: 35 ppm TWA: 25 ppm	TWA: 50 ppm TWA: 35 mg/m ³ (vacated) STEL: 27 mg/m ³	STEL: 35 ppm

Appropriate engineering controls

Engineering Controls Showers, Eyewash stations & Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection No special technical protective measures are necessary.

Skin and body protection No special technical protective measures are necessary. Wear protective gloves and protective clothing. Prolonged contact may cause redness and irritation. Wear protective gloves and protective clothing if needed.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid
Appearance Opaque
Color Off-white

Odor Slight Ammonia
Odor threshold No Information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	8.5 - 9.5		
Specific Gravity	1.02		
Viscosity	No Information available		
Melting point/freezing point	No Information available		
Flash point	No Information available		
Boiling point / boiling range	≥ 100 °C / 212 °F (at 760 mm Hg)		
Evaporation rate	No Information available		
Flammability (solid, gas)	No data available		
Flammability Limits in Air			
Upper flammability limit:	No Information available		
Lower flammability limit:	No Information available		
Vapor pressure	No Information available		
Vapor density	No Information available		
Water solubility	No Information available		
Partition coefficient	No Information available		
Autoignition temperature	No Information available		
Decomposition temperature	No Information available		

Other Information

Density Lbs/Gal 8.50
VOC Content (%) 4.74223

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

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

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 No data available. No known effect based on information supplied.
Ingestion No data available. Not an expected route of exposure. Do not taste or swallow.

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
2-(2-ethoxyethoxy)ethanol 111-90-0	- 1920 mg/kg (Rat)	- 4200 µl/kg (Rabbit) - 6 mL/kg (Rat)	> 5240 mg/m ³ (Rat)4 h
[2-(2-Methoxymethylethoxy)methylethoxy] -propanol 25498-49-1	- 3200 mg/kg (Rat)	- 15440 mg/kg (Rabbit)	-
Zinc ammonium carbonate	- 500 mg/kg (Rat)	-	-

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

ATEmix (oral) 7,003.00 mg/kg
ATEmix (dermal) 21,279.00 mg/kg
ATEmix (inhalation-dust/mist) 270.65 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Tributoxyethyl Phosphate 78-51-3	-	10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through	-
2-(2-ethoxyethoxy)ethanol 111-90-0	-	flow-through 13400: 96 h Salmo	3940 - 4670: 48 h Daphnia magna mg/L EC50
[2-(2-Methoxymethylethoxy)methylethoxy] 25498-49-1	-	11619: 96 h Pimephales promelas mg/L LC50 static	10: 48 h Daphnia magna mg/L EC50
2-(2-methoxypropoxy)propanol 34590-94-8	-	10000: 96 h Pimephales promelas mg/L LC50 static	1919: 48 h Daphnia magna mg/L LC50
N-Methyl-2-Pyrrolidone 872-50-4	500: 72 h Desmodosmus subspicatus mg/l EC50	mg/L LC50 static 1400: 96 h	4897: 48 h Daphnia magna mg/L EC50
Sodium Hydroxide 1310-73-2	-	45.4: 96 h Oncorhynchus mykiss mg/L LC50 static	-
Ethanol	-	12.0 - 16.0: 96 h Oncorhynchus	10800: 24 h Daphnia magna mg/L

64-17-5		Pimephales promelas mg/L LC50	magna mg/L LC50 2: 48 h Daphnia
Ammonia 7664-41-7	-	mg/l.1.C50 static 0.73 -2.35: 96 h	25.4: 48 h Daphnia magna mg/L LC50
Methyl Chloro Isothiazolinone 26172-55-4	mg/LEC50 static 0.31: 120 h	1.6: 96 h Oncorhynchus mykiss mg/l.1.C50 semi-static	0.71 -0.99: 48 h Daphnia magna
Magnesium Chloride 7786-30-3	2200: 72 h Desmodemus subspicatus mg/L EC50	Pimephales promelas mg/L LC50	EC50 140: 48 h Daphnia magna

Persistence and degradability

No Information available.

Bioaccumulation

No Information available.

Chemical Name	Partition coefficient
Tributoxyethyl Phosphate 78-51-3	3.65 -4.78
2-(2-ethoxyethoxy)ethanol 111-90-0	-0.8

Other adverse effects

No Information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

Chemical Name	California Hazardous Waste Status
Zinc ammonium carbonate	Toxic

14. TRANSPORT 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 for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

DOT

Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
 DSL/NDSL Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard No
 Chronic Health Hazard No
 Fire hazard No
 Sudden release of pressure hazard No
 Reactive Hazard No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zinc ammonium carbonate	-	X	-	-

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
N-Methyl-2-Pyrrolidone - 872-50-4	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-(2-ethoxyethoxy)ethanol 111-90-0	X	-	X
Methoxymethylethoxymethylethoxy] 25498-49-1	X	-	X
Zinc ammonium carbonate	X	-	X
2-(2-methoxypropoxy)propano 34590-94-8	X	X	X
N-Methyl-2-Pyrrolidone 872-50-4	X	X	X
Sodium Hydroxide 1310-73-2	X	X	X
Ethanol	X	X	X

64-17-5			
Ammonia 7664-41-7	X	X	X
Magnesium Nitrate 10377-60-3	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION

NFPA	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties Yes
HMIS	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection X

Issue Date 26-Apr-2016
 Revision Date 26-Apr-2016
 Revision Note
 No Information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet