

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	ProWax Polish™ Gloss	Item
Product Use	Acrylate Copolymer Concrete Floor Wax Plus Polish	
Company Name	Direct Colors LLC	Office (877) 255-2656 ext.1
	430 E 10th St	
	Shawnee	OK 74801 Web www.DirectColors.com

EMERGENCY TELEPHONE NUMBER INFOTRAC (800) 535-5053

SECTION – 2 HAZARDS INFORMATION

Pictogram



Signal Word None

Hazards PHYSICAL / HEALTH / ENVIRONMENTAL HAZARD STATEMENTS

Harmful to aquatic life
Harmful to aquatic life with long lasting effects

HAZARD CATEGORY CLASSIFICATION CODE

Category 3 Acute Toxicity (Aquatic) H402
Category 3 Chronic Toxicity (Aquatic) H412

Precautions HANDLING / PROTECTION / FIRE / STORAGE / DISPOSAL

CODE

Keep out of reach of children P102
Avoid breathing dust / fume / gas / mist / vapours / spray P261
Wash thoroughly after handling P264
Do not eat, drink or smoke when using this product P270
Avoid release to the environment P273
Use personal protective equipment as required (See Section - 8) P281
In case of inadequate ventilation wear respiratory protection P285
Collect spillage P391
Dispose of material in accordance with all State and Federal Guidelines and Regulations P501

SECTION – 3 COMPOSITION INFORMATION

(Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

<u>CHEMICAL NAME</u>	<u>COMMON NAME AND SYNONYMS</u>	<u>CAS #</u>	<u>IMPURITIES</u>	<u>PERCENT</u>
Tributoxyethyl Phosphate	Tris(2-butoxyethyl) phosphate	78-51-3		1 - 5%
Zinc Oxide		1314-13-2		< 1%
Ammonium Hydroxide	Ammonia Aqueous, Ammonia Solutions	1336-21-6	Water < 60%	< 1%
Propylene Glycol Phenyl Ether	1-Phenoxy-2-propanol	770-35-4		< 1%
Diethylene Glycol Ethyl Ether	2-(2-Ethoxyethoxy)ethanol	111-90-0		< 1%

The chemical ingredients listed above are provided for reference and in their physical state or percentage are not classified as hazardous under OSHA Hazard Communication Standard

SECTION – 4 FIRST AID MEASURES

Eye Contact	Flush eyes with cold water while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists seek medical aid
Skin Contact	Wash with soap and water, Remove any contaminated clothing and wash before reuse, If irritation occurs or persists seek medical aid
Inhaled	Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention
Ingested	DO NOT INDUCE VOMITING, rinse mouth with water, and drink small quantities of water, Call a physician, or poison control center, and get medical attention, If victim feels nauseous stop drinking, If vomiting occurs, keep head below hips to prevent aspiration into the lungs
Important Effects	No additional effects beyond what is listed above
Important Symptoms	No additional symptoms beyond what is listed above

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	Not flammable: Use extinguishing media for surrounding fire
Explosion Hazard	Not applicable
Hazardous Decomposition	Burning or thermal decomposition can produce, ammonia, carbon oxides, nitrogen oxides, phosphorus oxides, zinc oxides
Protective Equipment	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel of spill, Stop spill or release only if it can be done safely, Ventilate area, Keep unprotected personnel from entering the spill area
Personal Precautions	Follow all safety precautions, Wear Personal Protective Equipment, Do not walk through spill, Contaminated surfaces will be extremely slippery
Protective Equipment	Safety Glasses, Chemical Gloves, Rubber Boots
Containment	Use sand, absorbent socks or pads to prevent spill from spreading
Clean Up Procedures	Small Spills: Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water, Large Spills: Absorb spill with inert material, place in a chemical waste container, mop area with clean water
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	Do not get in eyes, Avoid prolonged skin contact, Use appropriate safety equipment, Wash thoroughly after handling, Avoid release to the environment
Storage	Store in a closed container, Store away from incompatible materials
Incompatible Materials	Incompatible with, acid chlorides, aldehydes, dimethylsulphate, hydrogen peroxide, strong acids, strong bases, strong oxidizers

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE LIMITS**

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA (TWA 8)	OSHA (CEIL)	NIOSH (TWA 10)	NIOSH (STEL)	Significant Exposure
Diethylene Glycol Ethyl Ether	None Established		25 ppm (WEEL)				RT
Zinc Oxide	2 mg/m³	10 mg/m³	5 mg/m³		5 mg/m³	CEIL 15 mg/m³	Dust
Tributoxyethyl Phosphate	None Established						
Ammonium Hydroxide	25 ppm (17 mg/m³)	35 ppm (24 mg/m³)	50 ppm (35 mg/m³)				El,SI,RT
Propylene Glycol Phenyl Ether	None Established						

PERSONAL PROTECTION**HMIS HAZARD RATINGS**

Health	1
Flammability	0
Reactivity	0
Personal Protection	G

Eyes	Wear safety glasses or goggles or face shield when handling / using this material
Hands	Wear chemical resistant impervious gloves when handling / using this material
Lungs	Wear a MSHA / NIOSH approved respirator at or above listed TLV's or if irritation is experienced
Response	Access to an eye wash station is a recommended safety precaution for handling / using this type of material
Ventilation	General Ventilation, Ventilate to keep vapors of this material below the lowest ppm listed above, If over Threshold Limit Value use a MSHA / NIOSH approved respirator for organic vapor, supplied air or self-contained breathing apparatus

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	> 121°C (250°F)	Specific Gravity / Density	Variable
Flammable Limits (v)	ND	pH (± 0.3)	7.0 - 9.5
Auto-Ignition Temp.	ND	Viscosity (mm²s / cSt)	ND
Physical State	Liquid	Melting / Freeze Point	Variable
Appearance	Clear or translucent liquid	Boiling Point	100°C (212°F)
Odor	Mild	Vapor Density (air=1)	1
Odor Threshold	ND	Vapor Pressure (mmHg)	ND
Solubility	Infinitely miscible	Evaporation Rate (nBuAc=1)	1
Volatiles	ND	Partition Coefficient	ND
VOC	ND	Molecular Weight (g/mol)	ND
LVP-VOC	ND	Decomposition Temperature	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients
Chemical Stability	Stable under normal ambient and anticipated conditions of use
Hazardous Polymerization	Will not occur
Conditions To Avoid	Incompatible materials
Incompatible Materials	Incompatible with, acid chlorides, aldehydes, dimethylsulphate, hydrogen peroxide, strong acids, strong bases, strong oxidizers
Hazardous Decomposition	Burning or thermal decomposition can produce, ammonia, carbon oxides, nitrogen oxides, phosphorus oxides, zinc oxides

SECTION – 11 TOXICOLOGICAL INFORMATION**ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Ingestion (Yes), Inhalation (Yes)

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes May cause mild eye irritation
Skin May cause mild skin irritation
Inhalation None expected under normal conditions of use
Ingestion May be harmful if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes May cause eye irritation
Skin May cause skin irritation
Inhalation Mist, vapor or fumes may cause, respiratory or mucosal irritations, headache
Ingestion May be harmful if swallowed, Symptoms may include, nausea, vomiting, abdominal pain

Acute Tox Calculated Oral: 12,758 mg/kg Dermal: 41,000 mg/kg Inhaled: 584.1 mg/l

Acute Tox Category Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Not applicable (Inhaled >20 mg/l) Vapors

Target Organs No target organs listed

Medical Conditions No medical conditions known to be aggravated by the use of this product

Notes to Physician Treat symptoms

CARCINOGENIC – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>NTP</u>	<u>ACGIH</u>	<u>IARC</u>	<u>GHS Category</u>
None Listed	NA	NA	NA	NA

MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>Germ Cell Mutagenicity</u>	<u>Toxic to Reproduction</u>
None Listed	NA	NA

COMPONENTS ACUTE TOXICITY

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Tributoxyethyl Phosphate	LD50	Oral	Rat	3,000 mg/kg		(>2000 mg/kg)
	LC50	Inhaled	Rat	> 6.4 mg/l	4 Hours	(>5 mg/l)
	LD50	Dermal	Rabbit	> 2,050 mg/kg		(>2000 mg/kg)
Zinc Oxide	LD50	Oral	Rat	> 2,000 mg/kg		(>2000 mg/kg)
	LD50	Oral	Rat	10,502 mg/kg		(>2000 mg/kg)
Diethylene Glycol Ethyl Ether	LD50	Dermal	Rabbit	9,143 mg/kg		(>2000 mg/kg)
	LC50	Inhaled	Rat	> 10.48 mg/l	4 Hours (Mist)	(>5 mg/l)
Ammonium Hydroxide	LD50	Oral	Rat	350 mg/kg		4 (>300, ≤2000 mg/kg)
	LC50	Inhalation	Rat	5.26 mg/l	4 Hours (Vapor)	3 (>2, ≤10 mg/l)
Propylene Glycol Phenyl Ether	LD50	Oral	Rat	2,830 mg/kg		(>2000 mg/kg)

SECTION – 12 ECOLOGICAL INFORMATION

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Tributoxyethyl Phosphate	LC50	Rainbow Trout	(Oncorhynchus mykiss)	24 mg/l	96 Hours	3 (>10, ≤100 mg/l)
	EC50	Green Algae	(Pseudokirchneriella S.)	61 mg/l		3 (>10, ≤100 mg/l)
	EC50	Water Flea	(Daphnia magna)	53 mg/l		3 (>10, ≤100 mg/l)
Zinc Oxide	LC50	Zebra Fish	(Danio rerio)	2.525 mg/l	96 Hour	2 (>1, ≤10 mg/l)
	EC50	Water Flea	(Daphnia magna)	1 mg/l	48 Hour	2 (>1, ≤10 mg/l)
Diethylene Glycol Ethyl Ether	LC50	Fathead Minnow	(Pimephales promelas)	9,650 mg/l	96 Hours	4 (>100 mg/l)
	LC50	Water Flea	(Daphnia magna)	3,340 mg/l	48 Hours	4 (>100 mg/l)
Ammonium Hydroxide	LC50	Rainbow Trout	(Oncorhynchus mykiss)	0.008 mg/l	24 Hours	1 (≤1 mg/l)
	EC50	Water Flea	(Daphnia magna)	0.66 mg/l	48 Hours	1 (≤1 mg/l)
	LC50	Bluegill	(Lepomis macrochirus)	0.024 mg/l	48 Hours	1 (≤1 mg/l)
	LC50	Fathead Minnow	(Pimephales promelas)	8.2 mg/l	96 Hours	2 (>1, ≤10 mg/l)
Propylene Glycol Phenyl Ether	LC50	Fathead Minnow	(Pimephales promelas)	280 mg/l		4 (>100 mg/l)
	EC50	Water Flea	(Daphnia magna)	370 mg/l		4 (>100 mg/l)

Presistence And Degradability This product is inherently biodegradable according to the OECD definition

Bioaccumulative Potential There is no evidence to suggest bioaccumulation will occur

Mobility In Soil This material is a partially mobile liquid

Other Adverse Effects Harmful to aquatic life with long lasting effects

SECTION – 13 DISPOSAL CONSIDERATIONS

Disposal Statement	DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER Dispose of any waste in accordance with all State and Federal Guidelines and Regulations
Container Disposal	Empty containers retain product residue (vapors, liquid or solid) observe all precautions when handling, Empty containers should be returned to distributor or taken to an approved waste handling site for recycling or disposal
Material Disposal	Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste, Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate

SECTION – 14 TRANSPORT INFORMATION**DOT CLASSIFICATION**

UN Number	Proper Shipping Name n.o.s. (Chemicals) or "Limits"					
Not Regulated	Non Regulated Material					
Hazard Class	Packing Group	Label Codes	Reportable Quantity (lb)	Response	Marine Pollutant	Hazard Label Secondary
None	None	None	None	128	No	
Additional Info:						

SECTION – 15 REGULATORY INFORMATION**TSCA**

CHEMICAL NAME	Sec 8(b) Active Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Zinc Oxide	Yes			
Tributoxyethyl Phosphate	Yes			
Propylene Glycol Phenyl Ether	Yes			
Ammonium Hydroxide	Yes			
Diethylene Glycol Ethyl Ether	Yes			

REPORTABLE QUANTITIES

CHEMICAL NAME	Extremely Hazardous EPCRA TPQ Sec 302	Reportable Quantity EPCRA RQ Sec 304	Emission Reporting CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r
Ammonium Hydroxide		1000		Yes		

SARA

CHEMICAL NAME	Section 311 Hazardous Chemical	Section 311 / 312 Hazards Acute	Chronic	Flammable	Pressure	Reactive
Zinc Oxide	Yes					
Propylene Glycol Phenyl Ether	Yes	Yes				
Ammonium Hydroxide	Yes	Yes	Yes			
Diethylene Glycol Ethyl Ether	Yes		Yes			

RIGHT TO KNOW

CHEMICAL NAME	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Zinc Oxide			Yes			Yes		Yes	Yes	Yes	Yes	Yes	
Tributoxyethyl Phosphate						Yes		Yes					
Propylene Glycol Phenyl Ether						Yes		Yes					
Ammonium Hydroxide						Yes	Yes	Yes		Yes	Yes		
Diethylene Glycol Ethyl Ether						Yes		Yes					

CALIFORNIA

WARNING: This Product can expose you to chemicals (Listed below) known to the State of California to cause cancer, birth defects or reproductive harm. For more information go to www.P65Warnings.ca.gov

CHEMICAL NAME	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
None Listed					

CLEAN AIR WATER ACTS

CHEMICAL NAME	CAS #	Clean Air Acts HAP	Ozone Class 1	Ozone Class 2	Clean Water Acts HS	PP	TP
Ammonium Hydroxide	1336-21-6				Yes		
Zinc Oxide	1314-13-2						Yes

INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:

CHEMICAL NAME	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
Ammonium Hydroxide	Yes	Yes	Yes	Yes	Yes	Yes
Diethylene Glycol Ethyl Ether	Yes	Yes	Yes	Yes	Yes	Yes

SECTION – 16 OTHER INFORMATION**SDS LEGEND DESCRIPTION**

~	Approximately	KD	Kidney Damage (nephropathy)
ACGIH	American Conference of Governmental Industrial Hygienists	LC50	A concentration that is lethal to 50% of a given species in a given time
CAS	Chemical Abstracts Service Registry	LD50	Dose that is lethal to 50% of a given species by a given route of exposure
CEIL	Ceiling Limit (15 minutes)	LEL	Lower Explosive Limit
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	LD	Liver Damage
CI	Cochlear Impairment	NA	Not Applicable
CNS	Central Nervous System	ND	Not Determined
EC50	Concentration of a chemical that gives half-maximal response	NE	Not Established
EPA	Environmental Protection Agency	NFPA	National Fire Protection Association
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NIOSH	National Institute for Occupational Safety and Health
FBG	Full Bunker Gear	NTP	National Toxicology Program
GHS	Globally Harmonized System	OSHA	Occupational Safety and Health Administration
HAP	California Hazardous Air Pollutant Clean Air Act	PEL	Permissible Exposure Limit (OSHA)
HMIS-A	Safety glasses	PNS	Peripheral Nervous System
HMIS-B	Safety glasses, gloves	PP	California Priority Pollutant under the Clean Water Act
HMIS-C	Safety glasses, gloves, chemical apron	REL	Recommended exposure limit (NIOSH)
HMIS-D	Face shield, gloves, chemical apron	RT	Upper Respiratory Tract
HMIS-E	Safety glasses, gloves, dust respirator	Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Lowest concentration that is toxic to a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours) - NOISH (10 hours)
IG / IH	(IG = Ingested) / (IH = Inhaled - Vapors / Mists / Gas)	UEL	Upper Explosive Limit

Direct Colors LLC

and nCites LLC have compiled the information herein from sources believed to be reliable and up-to-date, and is accurate to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources or the completeness and expressly do not make warranties, nor assume any liability for its use. The information contained herein is provided for reference purposes only and is intended only for persons having relevant technical skills. Because conditions and manner of use are outside of our control, the user is responsible for determining the conditions of safe use of the product. Buyers and users assume all risk, responsibility and liability whatsoever for any and all injuries, losses, or damages to persons or property arising from the use of this product or information.

-- End of Safety Data Sheet --