SAFETY DATA SHEET

Concrete Floor Wax + Polish, Satin **Revision Date** 4/9/2022

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name **Concrete Floor Wax + Polish, Satin** **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	HAZARD CATEGORY CLASSIFICATION		CODE
Harmful to aquatic life	Category 3	Acute Toxicity (Aquatic)	H402
Harmful to aquatic life with long lasting effects	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)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
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)				EI,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:

CHEMICAL NAME	NTP	ACGIH	IARC	GHS Category
None Listed	NA	NA	NA	NA

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

CHEMICAL NAME	Germ Cell Mutagenicity	Toxic to Reproduction
None Listed	NA	NA

COMPONENTS ACUTE TOXICITY

CHEMICAL NAME	Type	Form	Subject	Result Value	Exposure Time	GHS Category
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)
Diethylene Glycol Ethyl Ether	LD50	Oral	Rat	10,502 mg/kg		(>2000 mg/kg)
	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

CHEMICAL NAME	Type	Subject	Subject Latin	Result Value	Exposure Time	GHS Category
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

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

SARA

	Section 311	Section 311 / 312 Hazards				
CHEMICAL NAME	Hazardous Chemical	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

	STATE												
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

		Clean Air Acts			Clean Water Acts		
CHEMICAL NAME	CAS #	HAP	Ozone Class 1	Ozone Class 2	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
ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service Registry
CEIL	Ceiling Limit (15 minutes)
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act
CI	Cochlear Impairment
CNS	Central Nervous System
EC50	Concentration of a chemical that gives half-maximal response
EPA	Environmental Protection Agency
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)
FBG	Full Bunker Gear
GHS	Globally Harmonized System
HAP	California Hazardous Air Pollutant Clean Air Act
HMIS-A	Safety glasses
HMIS-B	Safety glasses, gloves
HMIS-C	Safety glasses, gloves, chemical apron
HMIS-D	Face shield, gloves, chemical apron
HMIS-E	Safety glasses, gloves, dust respirator
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator
HMIS-G	Safety glasses, gloves, vapor respirator
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator
HMIS-I	Safety glasses, gloves, dust and vapor respirator
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots
HMIS-X	Ask Supervisor
HS	California Hazardous Substance under the Clean Water Act
IG / IH	(IG = Ingested) / (IH = Inhaled - Vapors / Mists / Gas)
KD	Kidney Damage (nephropathy)
LC50	A concentration that is lethal to 50% of a given species in a given time
LD50	Dose that is lethal to 50% of a given species by a given route of exposure
LEL	Lower Explosive Limit
LD	Liver Damage
NA	Not Applicable
ND	Not Determined
NE	Not Established
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit (OSHA)
PNS	Peripheral Nervous System
PP	California Priority Pollutant under the Clean Water Act
REL	Recommended exposure limit (NIOSH)
RT	Upper Respiratory Tract
Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
SARA	Superfund Amendments and Reauthorization Act
STEL	Short Term Exposure Limit (15 minutes)
TC Lo	Lowest concentration that is toxic to a given species in a given time
TD Lo	Lowest dose that is toxic to a given species
TLV	Threshold Limit Value (ACGIH)
TP	California Toxic Pollutant under the Clean Water Act
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average (8 hours) - NOISH (10 hours)
UEL	Upper Explosive Limit

Direct Colors LLC

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-- End of Safety Data Sheet --