

**SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Name</b>	ProClean Neutralizer™	<b>Item</b>
<b>Product Use</b>	Neutralizer	
<b>Company Name</b>	Direct Colors LLC 430 E 10th St Shawnee OK 74801	<b>Office</b> (877) 255-2656 ext.1  <b>Web</b> <a href="http://www.DirectColors.com">www.DirectColors.com</a>

**EMERGENCY TELEPHONE NUMBER INFOTRAC (800) 535-5053**

**SECTION – 2 HAZARDS INFORMATION**
**Pictogram**

**Signal Word** Danger

**Hazards** PHYSICAL / HEALTH / ENVIRONMENTAL HAZARD STATEMENTS

 Causes skin irritation  
 Causes serious eye damage

**HAZARD CATEGORY CLASSIFICATION** CODE

Category 2	Skin (Corrosion / Irritation)	H315
Category 1	Eye (Damage / Irritation)	H318

**Precautions** HANDLING / PROTECTION / FIRE / STORAGE / DISPOSAL

 Avoid breathing dust / fume / gas / mist / vapours / spray  
 Do not get in eyes, on skin, or on clothing  
 Wash thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Avoid release to the environment

CODE

 P261  
 P262  
 P264  
 P270  
 P273  
 P281  
 P285  
 P404  
 P405  
 P501

 Use personal protective equipment as required (See Section - 8)  
 In case of inadequate ventilation wear respiratory protection  
 Store in a closed container  
 Store locked up  
 Dispose of material in accordance with all State and Federal Guidelines and Regulations

**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>
2-butoxyethanol	Ethylene Glycol Monobutyl Ether	111-76-2		5 - 10%
Nonylphenol Ethoxylate	Polyoxyethylene Nonyl Phenyl Ether	127087-87-0	Poly(ethylene oxide) < 0.001%	1 - 5%
Phosphate Ester	C8-10 ethoxylate phosphate	68130-47-2		1 - 5%
Potassium Hydroxide	KOH, Caustic Potash	1310-58-3	Water < 65%	0.1 - 1%

**SECTION – 4 FIRST AID MEASURES**

<b>Eye Contact</b>	Immediately flush eyes with cold water for at least 15 minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, Obtain immediate medical attention, preferably from an ophthalmologist or Emergency Room
<b>Skin Contact</b>	Wash contaminated skin with plenty of soap and water, Remove any contaminated clothing and wash before reuse, If irritation is present or occurs obtain medical attention
<b>Inhaled</b>	Not applicable under normal use. If irritation is experienced, move person to fresh air
<b>Ingested</b>	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
<b>Important Effects</b>	Exposure may cause, eye damage, skin or respiratory irritation
<b>Important Symptoms</b>	Symptoms may include, corrosive burns to eyes, or mucous membranes, skin irritation, vomiting, if ingested

**SECTION – 5 FIRE FIGHTING MEASURES**

<b>Extinguishing Media</b>	Not flammable: Use extinguishing media for surrounding fire
<b>Explosion Hazard</b>	Not applicable
<b>Hazardous Decomposition</b>	Burning or thermal decomposition can produce, aldehydes, carbon oxides, ketones, organic acids, phosphorus oxides, potassium oxides
<b>Protective Equipment</b>	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

**SECTION – 6 ACCIDENTAL RELEASE MEASURES**

<b>Emergency Procedures</b>	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
<b>Personal Precautions</b>	Follow all safety precautions, Wear Personal Protective Equipment, Do not walk through spill
<b>Protective Equipment</b>	Safety Glasses, Chemical Gloves, Rubber Boots
<b>Containment</b>	Use rags, towels, absorbent socks or pads to prevent spill from spreading, Prevent spill from spreading or entering the environment
<b>Clean Up Procedures</b>	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
<b>Disposal</b>	Dispose of material in accordance with all State and Federal Guidelines and Regulations

**SECTION – 7 HANDLING AND STORAGE**

<b>Handling</b>	Do not get in eyes, on skin, or clothing, Use appropriate safety equipment, and adequate ventilation, Do not smoke, eat or drink while using, Wash thoroughly after handling, Avoid release to the environment, Empty containers retain product residue (vapors, liquid or solids) observe all precautions when handling
<b>Storage</b>	Keep container closed when not in use, Keep only in original container, Store away from incompatible materials
<b>Incompatible Materials</b>	strong acids, strong bases, strong oxidizing agents, strong reducing agents

**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
2-butoxyethanol	20 ppm		50 ppm (240 mg/m <sup>3</sup> )				SA
Potassium Hydroxide	2 mg/m <sup>3</sup>		2 mg/m <sup>3</sup>				ED,SD
Phosphoric Acid	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>		1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	RT,ED,SD

**PERSONAL PROTECTION**

<b>Eyes</b>	Wear safety glasses or goggles or face shield when handling / using this material
<b>Hands</b>	Wear chemical resistant impervious gloves when handling / using this material
<b>Body</b>	"If Situation Requires" - Wear chemical resistant impervious protective clothing if exposure is considered to be likely when handling / using this material
<b>Response</b>	Access to an eye wash station is a recommended safety precaution for handling / using this type of material
<b>Ventilation</b>	General Ventilation

**HMS HAZARD RATINGS**

Health	2
Flammability	0
Reactivity	0
Personal Protection	H

**SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Flash Point</b>	> 93.3°C (200°F) - [Calculated]	<b>Specific Gravity / Density</b>	~ 1.0
<b>Flammable Limits (v)</b>	ND	<b>pH (± 0.3)</b>	12 - 13
<b>Auto-Ignition Temp.</b>	ND	<b>Viscosity (mm<sup>2</sup>s / cSt)</b>	ND
<b>Physical State</b>	Liquid	<b>Melting / Freeze Point</b>	~ 0°C (32°F)
<b>Appearance</b>	Blue	<b>Boiling Point</b>	~ 100°C (212°F)
<b>Odor</b>	Solvent (Butyl)	<b>Vapor Density (air=1)</b>	ND
<b>Odor Threshold</b>	ND	<b>Vapor Pressure (mmHg)</b>	ND
<b>Solubility</b>	100%	<b>Evaporation Rate (nBuAc=1)</b>	ND
<b>Volatiles</b>	> 91%	<b>Partition Coefficient</b>	ND
<b>VOC</b>	< 10%	<b>Molecular Weight (g/mol)</b>	ND
<b>LVP-VOC</b>	0%	<b>Decomposition Temperature</b>	ND

**SECTION – 10 STABILITY AND REACTIVITY**

<b>Reactivity</b>	No specific test data related to reactivity available for this product or its ingredients
<b>Chemical Stability</b>	Stable under normal ambient and anticipated conditions of use
<b>Hazardous Polymerization</b>	Will not occur
<b>Conditions To Avoid</b>	Incompatible materials
<b>Incompatible Materials</b>	strong acids, strong bases, strong oxidizing agents, strong reducing agents
<b>Hazardous Decomposition</b>	Burning or thermal decomposition can produce, aldehydes, carbon oxides, ketones, organic acids, phosphorus oxides, potassium oxides

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

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

**ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE**

**Eyes** Causes serious eye damage  
**Skin** Can cause skin irritation  
**Inhalation** Mist, vapor or fumes may cause, respiratory irritation  
**Ingestion** May be harmful if swallowed, Ingestion may affect, mucous membranes, Symptoms may include, burning of the, mouth and throat, digestive tract burns, nausea, vomiting

**CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE**

**Eyes** Causes serious eye damage, severe pain, corneal injury  
**Skin** Causes serious skin irritation, defatting of the skin which may lead to dermatitis  
**Inhalation** Mist, vapor or fumes may cause, respiratory irritation  
**Ingestion** May be harmful if swallowed, Ingestion can affect, mucous membranes, liver, kidneys, blood, Symptoms may include, burning of the, mouth and throat, digestive tract burns, decreased blood pressure, headache, nausea, vomiting, abdominal pain

**Acute Tox Calculated** Oral: ~ 7,386 mg/kg Dermal: ~ 8,051 mg/kg Inhaled: ~ 11.7 mg/l

**Acute Tox Category** Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Not applicable (Inhaled >5 mg/l) Dust or Mist

**Target Organs** Respiratory Tract, Skin, Eyes

**Medical Conditions** Preexisting, eye, skin, respiratory, disorders may be aggravated by exposure to 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
Phosphoric Acid	LD50	Oral	Rat	1,530 mg/kg		4 (>300, ≤2000 mg/kg)
	LC50	Inhaled	Rat	53 mg/L		(>5 mg/l)
	LD50	Dermal	Rabbit	2,740 mg/kg		(>2000 mg/kg)
Potassium Hydroxide	LD50	Oral	Rat	410 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Dermal	Rabbit	> 2520 mg/kg		(>2000 mg/kg)
2-butoxyethanol	LD50	Oral	Rat	1,746 mg/kg		4 (>300, ≤2000 mg/kg)
	LC50	Inhaled	Rat	2.4 mg/l	4 Hours (Mist)	4 (>1.0, ≤5 mg/l)
	LD50	Dermal	Rat	1,060 mg/kg		4 (>1000, ≤2000 mg/kg)
Nonylphenol Ethoxylate	LD50	Oral	Rat	960 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Inhaled	Rat	1.15 mg/l	4 Hours (Mist)	4 (>1.0, ≤5 mg/l)
	LD50	Dermal	Rabbit	2,001 mg/kg		(>2000 mg/kg)

**SECTION – 12 ECOLOGICAL INFORMATION**

CHEMICAL NAME	Type	Subject Subject Latin	Result Value	Exposure Time	GHS Category
Phosphoric Acid	LC50	Mosquito Fish (Gambusia affinis)	138 mg/l	96 Hours	4 (>100 mg/l)
Potassium Hydroxide	LC50	Mosquito Fish (Gambusia affinis)	80 mg/l	24 Hours	3 (>10, ≤100 mg/l)
2-butoxyethanol	EC50	Water Flea (Daphnia magna)	1,815 mg/l	24 Hours	4 (>100 mg/l)
	EC50	Algae (Pseudokirchneriella s.)	1,840 mg/l	72 Hours	4 (>100 mg/l)
Nonylphenol Ethoxylate	LC50	Bluegill (Lepomis macrochirus)	220 mg/l	96 Hours	4 (>100 mg/l)
	LC50	Fathead Minnow (Pimephales promelas)	3.8 mg/l	96 Hours	2 (>1, ≤10 mg/l)
	LC50	Water Flea (Daphnia magna)	9.3 mg/l	48 Hours	2 (>1, ≤10 mg/l)
Phosphate Ester	LC50	Rainbow Trout (Oncorhynchus mykiss)	5.5 mg/l	96 Hours	2 (>1, ≤10 mg/l)

**Presistence And Degradability** Some components of this product cannot be considered as readily biodegradable but are expected to be inherently biodegradable, There is no degradation of potassium or sodium hydroxide in waters, only loss by absorption or through chemical neutralization

**Bioaccumulative Potential** There is no evidence to suggest bioaccumulation will occur

**Mobility In Soil** This material is a mobile liquid

**Other Adverse Effects** May be harmful to aquatic organisms due to pH shift

**SECTION – 13 DISPOSAL CONSIDERATIONS**

<b>Disposal Statement</b>	DO NOT DUMP INTO ANY STORM SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER Dispose of any waste in accordance with all State and Federal Guidelines and Regulations
<b>Container Disposal</b>	Empty containers retain product residue (vapors, liquid or solid) observe all precautions when handling, Triple rinse empty container then offer for recycling. If not available, puncture and dispose in a sanitary landfill
<b>Material Disposal</b>	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**

UN 1760

**Proper Shipping Name** n.o.s. ( Chemicals ) or "Limits"

CORROSIVE LIQUIDS, n.o.s.(Potassium Hydroxide)

<b>Hazard Class</b>	<b>Packing Group</b>	<b>Label Codes</b>	<b>Reportable Quantity (lb)</b>	<b>Response</b>	<b>Marine Pollutant</b>	<b>Hazard Label</b>	<b>Secondary</b>
8	III	Corrosive Liquid	(100,000) = 1,000 Potassium Hydroxide	154	No		

Additional Info:

**SECTION – 15 REGULATORY INFORMATION****TSCA**

<b>CHEMICAL NAME</b>	<b>Sec 8(b) Active Inventory</b>	<b>Sec 8(d) Health And Safety</b>	<b>Sec 4(a) Chemical Test Rules</b>	<b>Sec 12(b) Export Notification</b>
2-butoxyethanol	Yes	Yes		
Phosphate Ester	Yes			
Potassium Hydroxide	Yes	Yes		
C8-10 Ethoxylate Phosphate	Yes			
Phosphoric Acid	Yes	Yes		

**REPORTABLE QUANTITIES**

<b>CHEMICAL NAME</b>	<b>Extremely Hazardous</b>		<b>Reportable Quantity</b>	<b>Emission Reporting</b>		
	<b>EPCRA TPQ Sec 302</b>	<b>EPCRA RQ Sec 304</b>	<b>CERCLA RQ Sec 103</b>	<b>TRI Sec 313</b>	<b>RCRA Code</b>	<b>RMP TQ Sec 112r</b>
Phosphoric Acid			5000			
Glycol Ethers				Yes		
Potassium Hydroxide			1000			
Nonylphenol Ethoxylate				Yes		

**SARA**

<b>CHEMICAL NAME</b>	<b>Section 311</b>			<b>Section 311 / 312 Hazards</b>		
	<b>Hazardous Chemical</b>	<b>Acute</b>	<b>Chronic</b>	<b>Flammable</b>	<b>Pressure</b>	<b>Reactive</b>
2-butoxyethanol	Yes	Yes	Yes	Yes		
Nonylphenol Ethoxylate	Yes	Yes				
Potassium Hydroxide	Yes	Yes	Yes			
Phosphoric Acid	Yes	Yes	Yes			

**RIGHT TO KNOW**

<b>CHEMICAL NAME</b>	<b>STATE</b>												
	<b>CA</b>	<b>CT</b>	<b>FL</b>	<b>IL</b>	<b>LA</b>	<b>NJ</b>	<b>NY</b>	<b>PA</b>	<b>MI</b>	<b>MN</b>	<b>MA</b>	<b>RI</b>	<b>WI</b>
2-butoxyethanol						Yes		Yes			Yes		
Nonylphenol Ethoxylate	Yes					Yes		Yes			Yes	Yes	
Potassium Hydroxide	Yes		Yes			Yes	Yes	Yes		Yes	Yes		
Phosphoric Acid	Yes			Yes	Yes	Yes	Yes	Yes		Yes	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](http://www.P65Warnings.ca.gov)

<b>CHEMICAL NAME</b>	<b>CAS #</b>	<b>Birth Defects</b>	<b>Reproductive Harm</b>	<b>Carcinogen</b>	<b>Developmental</b>
Ethylene Oxide < 0.00001%	75-21-8		Yes	Yes	Yes

**CLEAN AIR WATER ACTS**

<b>CHEMICAL NAME</b>	<b>CAS #</b>	<b>Clean Air Acts</b>			<b>Clean Water Acts</b>		
		<b>HAP</b>	<b>Ozone Class 1</b>	<b>Ozone Class 2</b>	<b>HS</b>	<b>PP</b>	<b>TP</b>
Ethylene Oxide < 0.00001%	75-21-8				Yes		

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

<b>CHEMICAL NAME</b>	<b>Australia</b>	<b>Canada</b>	<b>Europe (EINECS)</b>	<b>Japan</b>	<b>Korea</b>	<b>UK</b>
2-butoxyethanol	Yes	Yes	Yes	Yes	Yes	Yes
Nonylphenol Ethoxylate	Yes	Yes	Yes	Yes	Yes	Yes
Phosphoric Acid	Yes	Yes	Yes	Yes	Yes	Yes

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

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

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-- End of Safety Data Sheet --

Supersedes Safety Data Sheet Dated