

# FPPF CHEMICAL CO., INC.



## SAFETY DATA SHEET

Issue Date 01-Jun-2015

Revision Date 05-Jun-2015

Version 1

### 1. IDENTIFICATION

#### Product Identifier

Product Name Lustre Brite

#### Other Means Of Identification

Product Code 00376, 90376, 00377P, 00378

UN/ID No. UN3265

Synonyms Custom Blended Acid Wash

#### Recommended use of the Chemical and Restrictions on Use

Recommended Use Industrial Use

Uses Advised Against Consumer Use

#### Details of the Supplier of the Safety Data Sheet

##### Supplier Address

FPPF Chemical Co., Inc., 117 West Tupper St., Buffalo, N.Y. 14201, 716-856-9607

#### Emergency Telephone Number

Emergency Telephone Chemtrec 1-800-424-9300

### 2. HAZARDS IDENTIFICATION

#### Classification

#### **OSHA Regulatory Status**

This Chemical is considered Hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute Toxicity-Oral	Category 4
Acute Toxicity-Inhalation (Dusts/Mists)	Category 2
Skin Corrosion/Irritation	Category 1 Sub-Category B
Serious Eye Damage/Eye Irritation	Category 1

#### Label Elements

#### **Emergency Overview**

##### Danger

##### Hazard Statements

Harmful if Swallowed

Fatal if Inhaled

Causes Severe Skin Burns and Eye Damage

**Appearance** Dark green liquid**Physical state** liquid**Odor** Mild, butyl odor**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Wear respiratory protection  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

Absorb spillage to prevent material damage  
 See specific measures in Section 4 First Aid  
 Immediately call a POISON CENTER or doctor/physician  
 See specific treatment in section 4 First Aid  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth  
 Do NOT induce vomiting

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
 Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

May be harmful in contact with skin Toxic to aquatic life with long lasting effects

Unknown acute toxicity

0% of this mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance****Synonyms**

Custom blended material.

Chemical Name	CAS No.	Weight-%	Trade Secret
Phosphoric acid	7664-38-2	30-40	*
Glycolic Acid	79-14-1	7-14	*
2-Butoxyethanol	111-76-2	3-9	*
Witcolate LES-60C	Proprietary	2-6	*

Benzenesulfonic Acid	68584-22-5	2-6	*
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\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of first aid measures

<b>General advice</b>	Remove contaminated clothing and shoes. Do not breathe dust/fume/gas/mist/vapors/spray. Do not delay care and transport of a seriously injured person. For further assistance, contact your local Poison Control Center.
<b>Eye contact</b>	Eye contact: In case of contact with substance, immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist. If the physician is not immediately available, eye irrigation should be continued for an additional 15 minutes. If it is necessary to transport the patient to a physician and the eye needs to be bandaged, use a dry sterile cloth pad and cover both eyes.
<b>Skin contact</b>	Skin Contact: For minor skin contact, avoid spreading material on unaffected skin. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing.
<b>Inhalation</b>	Inhalation: Administer oxygen if breathing is difficult. Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Give artificial respiration if victim is not breathing. Move victim to fresh air.
<b>Ingestion</b>	Ingestion: If swallowed give 2-3 glasses of water if victim is conscious and alert. Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. Obtain medical attention immediately if ingested. Do not use mouth-to-mouth method if victim ingested the substance. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Persons attending the victim should avoid direct contact with heavily contaminated clothing and vomitus. Wear impervious gloves while decontaminating skin and hair.

##### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	Reference Sources for Section 11.
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##### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.
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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** Do not use a solid water stream as it may scatter and spread fire.

##### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors. May form peroxides of unknown stability. During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide, Sodium Oxide.

**Hazardous combustion products** Carbon dioxide (CO<sub>2</sub>). Carbon oxides. Phosphorus oxides.

##### 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**

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. Do not touch damaged packages or spilled material. Do not touch or walk through spilled material.

### **Environmental precautions**

#### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained. Prevent entry into waterways, sewers, basements or confined areas.

### **Methods and material for containment and cleaning up**

#### **Methods for containment**

Exercise caution during neutralization as considerable heat may be generated. Neutralize spill area with soda ash, sodium bicarbonate or lime. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Large Spillages: Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams. Dike for later disposal. Flush neutralized spill with copious amounts of water. Avoid generating dust.

#### **Methods for cleaning up**

Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

#### **Advice on safe handling**

Advice on safe handling. Do not get on skin or in eyes. Avoid breathing vapors and mists. Do not ingest. Handle and open container with care. Use only with adequate ventilation. Use caution when combining with water; DO NOT add water to corrosive liquid, ALWAYS add corrosive liquid to water while stirring to prevent release of heat, steam and fumes. This product reacts violently with bases liberating heat and causing spattering.

### **Conditions for safe storage, including any incompatibilities**

#### **Storage Conditions**

Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Keep out of the reach of children. Store locked up. Store in accordance with the particular national regulations.

#### **Incompatible materials**

Strong oxidizing agents. Strong reducing agents. Bases. Certain metals.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control parameters**

#### **Exposure Guidelines**

Specific exposure limits have not been established or are not applicable unless listed below.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosphoric acid 7664-38-2	STEL: 3 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> (vacated) TWA: 1 mg/m <sup>3</sup> (vacated) STEL: 3 mg/m <sup>3</sup>	IDLH: 1000 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>
2-Butoxyethanol	TWA: 20 ppm	TWA: 50 ppm	IDLH: 700 ppm

111-76-2		TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
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**Appropriate engineering controls**

<b>Engineering Controls</b>	Showers Eyewash stations Ventilation systems.
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**Individual protection measures, such as personal protective equipment**

<b>Eye/face protection</b>	Chemical resistant goggles must be worn. If splashing is likely, wear tight fitting goggles and face shield. Tight sealing safety goggles.
<b>Skin and body protection</b>	Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate.
<b>Respiratory protection</b>	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.

<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.
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**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Odor</b>	Mild, butyl odor
<b>Appearance</b>	Dark green liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	dark green		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
pH	<2	
Melting point / freezing point	No information available	
Boiling point / boiling range	>212 F	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	No information available	
Water solubility	No information available	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

**Other Information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available

VOC Content (%) No information available  
 Density No information available  
 Bulk density No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No dangerous reactions known under conditions of normal use

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

### Conditions to avoid

Extremes of temperature and direct sunlight. Incompatible materials.

### Incompatible materials

Strong oxidizing agents. Strong reducing agents. Bases. Certain metals.

### Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Oxides of Phosphorus.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

This product is an acid. The primary effects and toxicity of this material are due to its corrosive nature.

#### Inhalation

Harmful by inhalation.

#### Eye contact

Risk of serious damage to eyes. Avoid contact with eyes.

#### Skin contact

Harmful in contact with skin. Contact causes severe skin irritation and possible burns.

#### Ingestion

Ingestion causes burns of the upper digestive and respiratory tracts. Harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Phosphoric acid 7664-38-2	= 1530 mg/kg ( Rat )	= 2730 mg/kg ( Rabbit )	> 850 mg/m <sup>3</sup> ( Rat ) 1 h
Glycolic Acid 79-14-1	= 1950 mg/kg ( Rat )	-	= 7100 µg/m <sup>3</sup> ( Rat ) 4 h
2-Butoxyethanol 111-76-2	= 470 mg/kg ( Rat )	= 220 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h
Benzenesulfonic Acid 68584-22-5	= 530 mg/kg ( Rat )	= 530 mg/kg ( Rat )	-

### Information on toxicological effects

#### Symptoms

Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

### 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

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol 111-76-2	A3	Group 3	-	-

#### Reproductive toxicity

Classification criteria not met.

#### STOT - single exposure

No information available.



STOT - repeated exposure No information available.  
 Aspiration hazard No information available.

#### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 1,195.00  
 ATEmix (dermal) 2,409.00  
 ATEmix (inhalation-dust/mist) 0.31  
 ATEmix (inhalation-vapor) 4,050.00

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Phosphoric acid 7664-38-2	-	3 - 3.5: 96 h Gambusia affinis mg/L LC50	4.6: 12 h Daphnia magna mg/L EC50
Glycolic Acid 79-14-1	-	5000: 96 h Brachydanio rerio mg/L LC50 static	-
2-Butoxyethanol 111-76-2	-	1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50
Benzenesulfonic Acid 68584-22-5	-	3: 96 h Oncorhynchus mykiss mg/L LC50 static	2.9: 48 h Daphnia magna mg/L EC50

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

Chemical Name	Partition coefficient
Glycolic Acid 79-14-1	-1.11
2-Butoxyethanol 111-76-2	0.81
Benzenesulfonic Acid 68584-22-5	2

### Other adverse effects

No relevant information found

## 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
Phosphoric acid 7664-38-2	Corrosive

## 14. TRANSPORT INFORMATION

<b>DOT</b>	Regulated
<b>UN/ID no.</b>	UN3265
<b>Proper shipping name</b>	Corrosive Liquids, Acidic, Organic, n.o.s., (Contains Phosphoric Acid and Glycolic Acid)
<b>Hazard Class</b>	8
<b>Packing Group</b>	PGIII

### 15. REGULATORY INFORMATION

#### International Inventories

<b>TSCA</b>	Does not comply
<b>DSL/NDL</b>	Does not comply
<b>EINECS/ELINCS</b>	Does not comply
<b>ENCS</b>	Does not comply
<b>IECSC</b>	Does not comply
<b>KECL</b>	Does not comply
<b>PICCS</b>	Does not comply
<b>AICS</b>	Does not comply

#### Legend:

All components are listed

No information available

No information available

No information available

No information available

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

#### 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

<b>Acute health hazard</b>	2-Butoxyethanol - Yes Phosphoric Acid - Yes
<b>Chronic Health Hazard</b>	2-Butoxyethanol - Yes
<b>Fire hazard</b>	2-Butoxyethanol - Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

##### CWA (Clean Water Act)

This product does not contain any substances regulated as 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
Phosphoric acid 7664-38-2	5000 lb	-	-	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

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Phosphoric acid 7664-38-2	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations****U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b><u>NFPA</u></b>	Health hazards 2	Flammability 1	Instability 0	Physical and Chemical Properties -
<b><u>HMIS</u></b>	Health hazards 2	Flammability 1	Physical hazards 0	Personal protection X

Issue Date 01-Jun-2015

Revision Date 05-Jun-2015

Revision Note

No information available

**Disclaimer**

The information provided in this Material 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