

**SAFETY DATA SHEET****SECTION 1. IDENTIFICATION****Product identifier used on the label**: **Lustre Brite****Other means of identification** : 00376, 90376, 00377P, 00378**Recommended use of the chemical and restrictions on use**: Custom Blended Acid Wash  
Restrictions on use : Consumer use**Chemical family**

: Mixture.

**Name, address, and telephone number of the manufacturer:****FPPF Chemical Company, Inc.**117 West Tupper Street  
Buffalo, NY, USA  
14201

Manufacturer's Telephone # : 1-800-735-3773

**24 Hr. Emergency Tel #** : Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887 (Outside U.S.).**Name, address, and telephone number of the supplier:**

Refer to manufacturer

**SECTION 2. HAZARDS IDENTIFICATION****Classification of the chemical**

Dark green liquid. Butyl odour.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

## Classification :

Corrosive to Metals - Category 1

Skin Corrosion/Irritation - Category 1

Serious eye damage/eye irritation - Category 1

**Label elements***Hazard pictogram(s)**Signal Word***DANGER!***Hazard statement(s)*

May be corrosive to metals.

Causes severe skin burns and eye damage.

## SAFETY DATA SHEET

### Precautionary statement(s)

Do not breathe dust or mist.  
Wash hands and face thoroughly after handling.  
Wear protective gloves/clothing and eye/face protection.

Immediately call a POISON CENTER or doctor/physician.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before re-use.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Store locked up. Store in corrosive resistant container with a resistant inner liner. Keep only in original container.

Dispose of contents/container in accordance with local regulation.

### Other hazards

No OSHA defined hazard classes.

Other hazards which do not result in classification: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. If mists are formed, inhalation may cause moderate irritation of the nose, throat and respiratory tract. Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

Environmental precautions: Avoid release to the environment. See ECOLOGICAL INFORMATION, Section 12.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Phosphoric acid	Hydrogen Phosphate	7664-38-2	30.0 - 60.0
Glycolic acid	Hydroxyacetic acid	79-14-1	7.0 - 13.0
2-Butoxy ethanol	Ethylene glycol monobutyl ether butyl cellosolve Glycol Ether EB EGBE	111-76-2	3.0 - 7.0
Sodium lauryl ether sulphate	Sodium Alcohol Ethoxylate Sulfate	68585-34-2	1.0 - 5.0
Alkylbenzene sulfonic acid	Alkylbenzene sulfonic acid	68584-22-5	1.0 - 5.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

#### Description of first aid measures

- Ingestion* : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
- Inhalation* : IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Get medical attention if symptoms persist.
- Skin contact* : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Flush skin with large amounts of water. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before re-use.
- Eye contact* : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Flush eyes with water for at least 20 minutes. Immediately call a POISON CENTER or doctor/physician.

## SAFETY DATA SHEET

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

- : Causes severe skin burns and eye damage. Symptoms may include severe pain, blurred vision, redness and corrosive damage. Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring. May cause severe irritation to the nose, throat and respiratory tract. Symptoms may include coughing, choking and wheezing. Ingestion may cause severe irritation to the mouth, throat and stomach. Symptoms include: Gastrointestinal discomfort, nausea, vomiting, cramping and diarrhea.

### Indication of any immediate medical attention and special treatment needed

- : Immediate medical attention is required. Causes burns. Treat symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing media

#### *Suitable extinguishing media*

- : Dry chemical, foam, carbon dioxide and water fog.

#### *Unsuitable extinguishing media*

- : Do not use a solid water stream as it may scatter and spread fire.

### Special hazards arising from the substance or mixture / Conditions of flammability

- : Not flammable under normal conditions of use. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

### Flammability classification (OSHA 29 CFR 1910.106)

- : Non-flammable.

### Hazardous combustion products

- : Carbon oxides; Phosphorus oxides; irritating fumes and smoke.

### Special protective equipment and precautions for firefighters

#### *Protective equipment for fire-fighters*

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

#### *Special fire-fighting procedures*

- : Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply or any natural waterway. Dike for water control.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- : Keep all other personnel upwind and away from the spill/release. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Individuals involved in the cleanup must wear alkali resistant personal protective equipment. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

**Environmental precautions** : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

### Methods and material for containment and cleaning up

- : Ventilate the area. Prevent further leakage or spillage if safe to do so. Dilute acid with water and neutralize with Sodium Carbonate (soda ash) or Sodium Bicarbonate (baking soda). For spilled liquids: absorb spill with inert, non-combustible material such as sand, then place into suitable containers. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

## SAFETY DATA SHEET

### Special spill response procedures

- : In case of a transportation accident, in the United States contact CHEMTREC at 1-800-424-9300 or International at 1-703-527-3887. If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).
- US CERCLA Reportable quantity (RQ):  
Phosphoric acid (5000 lbs / 2270 kg)

### SECTION 7. HANDLING AND STORAGE

#### Precautions for safe handling

- : Wear protective gloves and eye/face protection. Wash hands and face thoroughly after handling. Do not ingest. Do not eat, drink, smoke or use cosmetics while working with this product. Avoid breathing dust or spray mist. Avoid contact with skin, eyes and clothing. Avoid contact with incompatible materials.

- Conditions for safe storage** : Store in a cool, dry, well-ventilated area. Store away from incompatibles and out of direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

- Incompatible materials** : Strong oxidizing agents ; Strong reducing agents. ; Bases ; Metals

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Phosphoric acid	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	N/Av
Glycolic acid	N/Av	N/Av	N/Av	N/Av
2-Butoxy ethanol	20 ppm	N/Av	50 ppm (240 mg/m <sup>3</sup> ) (skin)	N/Av
Sodium lauryl ether sulphate	N/Av	N/Av	N/Av	N/Av
Alkylbenzene sulfonic acid	N/Av	N/Av	N/Av	N/Av

#### Exposure controls

##### Ventilation and engineering measures

- : Use in a well-ventilated area. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

- Respiratory protection** : If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable approved respiratory protection. If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.

- Skin protection** : Wear protective gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

- Eye / face protection** : Chemical splash goggles must be worn when handling this material. A full face shield may also be necessary.

- Other protective equipment** : Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

##### General hygiene considerations

- : Do not breathe mist or vapor. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

## SAFETY DATA SHEET

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	: Dark green liquid.
<b>Odour</b>	: butyl odor
<b>Odour threshold</b>	: N/Av
<b>pH</b>	: < 2
<b>Melting Point/Freezing point</b>	: N/Av
<b>Initial boiling point and boiling range</b>	: > 100°C (212°F)
<b>Flash point</b>	: N/Av
<b>Flashpoint (Method)</b>	: N/Av
<b>Evaporation rate (BuAe = 1)</b>	: N/Av
<b>Flammability (solid, gas)</b>	: N/Av
<b>Lower flammable limit (% by vol.)</b>	: N/Av
<b>Upper flammable limit (% by vol.)</b>	: N/Av
<b>Oxidizing properties</b>	: None known.
<b>Explosive properties</b>	: N/Av
<b>Vapour pressure</b>	: N/Av
<b>Vapour density</b>	: N/Av
<b>Relative density / Specific gravity</b>	: N/Av
<b>Solubility in water</b>	: N/Av
<b>Other solubility(ies)</b>	: N/Av
<b>Partition coefficient: n-octanol/water or Coefficient of water/oil distribution</b>	: N/Av
<b>Auto-ignition temperature</b>	: N/Av
<b>Decomposition temperature</b>	: N/Av
<b>Viscosity</b>	: N/Av
<b>Volatiles (% by weight)</b>	: N/Av
<b>Volatile organic Compounds (VOC's)</b>	: N/Av
<b>Absolute pressure of container</b>	: N/Av
<b>Flame projection length</b>	: N/Av
<b>Other physical/chemical comments</b>	: None reported by the manufacturer.

### SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	: Not normally reactive.
<b>Chemical stability</b>	: Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	: Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	: Keep away from direct sunlight. Avoid contact with incompatible materials.
<b>Incompatible materials</b>	: Strong oxidizing agents ; Strong reducing agents. ; Bases ; Metals
<b>Hazardous decomposition products</b>	: None reported by the manufacturer. Refer also to hazardous combustion products, Section 5.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure:

**Routes of entry inhalation** : YES

## SAFETY DATA SHEET

**Routes of entry skin & eye** : YES

**Routes of entry Ingestion** : YES

**Routes of exposure skin absorption**  
: NO

### Potential Health Effects:

#### Signs and symptoms of short-term (acute) exposure

##### *Sign and symptoms Inhalation*

: May cause severe irritation to the nose, throat and respiratory tract. Symptoms may include coughing, choking and wheezing.

##### *Sign and symptoms ingestion*

: Ingestion may cause severe irritation to the mouth, throat and stomach. Symptoms include: Gastrointestinal discomfort, nausea, vomiting, cramping and diarrhea.

##### *Sign and symptoms skin*

: Causes severe burns. Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring.

##### *Sign and symptoms eyes*

: Causes serious eye damage. Symptoms may include severe pain, blurred vision, redness and corrosive damage.

#### Potential Chronic Health Effects

: Prolonged exposure may cause chronic effects.

#### Mutagenicity

: Not expected to be mutagenic in humans.

#### Carcinogenicity

: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

#### Reproductive effects & Teratogenicity

: Not expected to cause reproductive effects.

#### Sensitization to material

: Not expected to be a skin sensitizer.  
Not expected to be a respiratory sensitizer.

#### Specific target organ effects

: Eyes, skin, respiratory system, digestive system.

Not classified as a specific target organ toxicity-single exposure.

Not classified as specific target organ toxicity-repeated exposure.

#### Medical conditions aggravated by overexposure

: Pre-existing skin and respiratory disorders.

#### Synergistic materials

: None reported by the manufacturer.

#### Toxicological data

: There is no data available for this product.

The calculated ATE values for this mixture are:

ATE oral = 2762 mg/kg

ATE dermal = Not applicable.

ATE inhalation (dust/mist) = Not applicable.

See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u> <u>inh, rat</u>	<u>LD<sub>50</sub></u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Phosphoric acid	N/Av	3500 mg/kg (85%); 4400 mg/kg (75%)	> 1260 mg/kg (85%); > 3160 mg/kg (75%)
Glycolic acid	2520 mg/m <sup>3</sup>	1357 mg/kg	N/Av
2-Butoxy ethanol	450 ppm (2.175 mg/L) (vapour)	530 mg/kg	400 - 500 mg/kg
Sodium lauryl ether sulphate	N/Av	> 2000 mg/kg (No mortality)	> 2000 mg/kg (No mortality)
Alkylbenzene sulfonic acid	N/Av	775 mg/kg	2000 mg/kg

#### Other important toxicological hazards

: None known or reported by the manufacturer.

## SAFETY DATA SHEET

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity** : No data is available on the product itself.

See the following tables for individual ingredient ecotoxicity data.

**Ecotoxicity data:**

<u>Ingredients</u>	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Phosphoric acid	7664-38-2	75.1 mg/L (Japanese ricefish)	N/Av	None.
Glycolic acid	79-14-1	96 Hr LC50 Brachydanio rerio: >5000 mg/L [static]	N/Av	N/Av
2-Butoxy ethanol	111-76-2	1490 mg/L (Bluegill sunfish)	> 100 mg/L (Zebra fish)	None.
Sodium lauryl ether sulphate	68585-34-2	1.2 mg/L (Zebra fish)	0.1 mg/L (Rainbow trout)	None.
Alkylbenzene sulfonic acid	68584-22-5	5.6 mg/L (common carp)	N/Av	N/Av

<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Phosphoric acid	7664-38-2	376 mg/L (Daphnia magna)	N/Av	None.
Glycolic acid	79-14-1	N/Av	N/Av	N/Av
2-Butoxy ethanol	111-76-2	835 mg/L (Daphnia magna)	100 mg/L	None.
Sodium lauryl ether sulphate	68585-34-2	1.53 mg/L (Daphnia magna)	0.72 mg/L (Daphnia magna)	None.
Alkylbenzene sulfonic acid	68584-22-5	4.3 mg/L	N/Av	N/Av

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Phosphoric acid	7664-38-2	32 mg/L/72hr (Green algae)	N/Av	None.
Glycolic acid	79-14-1	N/Av	N/Av	N/Av
2-Butoxy ethanol	111-76-2	911 mg/L/72hr (Green algae)	286 mg/L/72hr	None.
Sodium lauryl ether sulphate	68585-34-2	0.18 mg/L/72hr (Green algae)	0.09 mg/L/72hr (Green algae)	1
Alkylbenzene sulfonic acid	68584-22-5	14 mg/L/72hr	N/Av	N/Av

**Persistence and degradability**

: No data is available on the product itself. The following ingredients are considered to be readily biodegradable: Sodium xylenesulfonate, Sodium lauryl ether sulphate

**Bioaccumulation potential**

: No data is available on the product itself.

See the following data for ingredient information.

## SAFETY DATA SHEET

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Glycolic acid (CAS 79-14-1)	-1.11 at 19 °C	1.32
2-Butoxy ethanol (CAS 111-76-2)	0.8	0.97
Alkylbenzene sulfonic acid (CAS 68584-22-5)	2 at 23 °C	130 (fish)

**Mobility in soil** : No data is available on the product itself.

**Other Adverse Environmental effects**

: The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.



**SECTION 13. DISPOSAL CONSIDERATIONS**

**Handling for Disposal** : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

**Methods of Disposal** : Dispose of in accordance with federal, provincial and local hazardous waste laws.

**RCRA** : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

**SECTION 14. TRANSPORT INFORMATION**

<b>Regulatory Information</b>	<b>UN Number</b>	<b>UN proper shipping name</b>	<b>Transport hazard class(es)</b>	<b>Packing Group</b>	<b>Label</b>
<b>TDG</b>	UN3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Phosphoric Acid and Glycolic Acid)	8	III	
<b>TDG Additional information</b>	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass.				
<b>49CFR/DOT</b>	UN3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Phosphoric Acid and Glycolic Acid)	8	III	
<b>49CFR/DOT Additional information</b>	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass.				

**Special precautions for user** : Appropriate advice on safety must accompany the package.

**Environmental hazards** : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

: Not available.

**SECTION 15 - REGULATORY INFORMATION****US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:



## SAFETY DATA SHEET

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Phosphoric acid	7664-38-2	Yes	5000 lbs / 2270 kg	None.	No	N/Ap
Glycolic acid	79-14-1	Yes	N/Ap	N/Av	No	N/Ap
2-Butoxy ethanol	111-76-2	Yes	None.	None.	No	N/Ap
Sodium lauryl ether sulphate	68585-34-2	Yes	N/Ap	N/Av	No	N/Ap
Alkylbenzene sulfonic acid	68584-22-5	Yes	N/Ap	N/Ap	No	N/Ap

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Physical hazards(Corrosive ) Health hazards (Skin corrosion ; Eye Damage). Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

**US State Right to Know Laws:**

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Phosphoric acid	7664-38-2	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Glycolic acid	79-14-1	No	N/Ap	No	No	No	No	No	No
2-Butoxy ethanol	111-76-2	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Sodium lauryl ether sulphate	68585-34-2	No	N/Ap	No	No	No	No	No	No
Alkylbenzene sulfonic acid	68584-22-5	No	N/Ap	No	No	No	No	No	No

**Canadian Information:**

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

WHMIS Classification: See Section 2.

**International Information:**

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Phosphoric acid	7664-38-2	231-633-2	Present	Present	(1)-422	KE-27427	Present	HSR001545, HSR001571 (dilution)
Glycolic acid	79-14-1	201-180-5	Present	Present	(2)-1346	KE-20315	Present	HSR003541
2-Butoxy ethanol	111-76-2	203-905-0	Present	Present	(7)-97; (2)-407	KE-04134	Present	HSR001154
Sodium lauryl ether sulphate	68585-34-2	500-223-8	Present	Present	(7)-120; (7)-155	KE-32438	Present	HSR003213
Alkylbenzene sulfonic acid	68584-22-5	271-528-9	Present	Present	(3)-1907	KE-02595	Present	HSR003163

## SAFETY DATA SHEET

### SECTION 16. OTHER INFORMATION

- Legend** :
- ACGIH: American Conference of Governmental Industrial Hygienists
  - AICS: Australian Inventory of Chemical Substances
  - ATE: Acute Toxicity Estimate
  - CA: California
  - CAS: Chemical Abstract Services
  - CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
  - CFR: Code of Federal Regulations
  - CSA: Canadian Standards Association
  - DOT: Department of Transportation
  - EC50: Effective Concentration 50%
  - EINECS: European Inventory of Existing Commercial chemical Substances
  - ENCS: Existing and New Chemical Substances
  - EPA: Environmental Protection Agency
  - HMIS: Hazardous Materials Identification System
  - HSDB: Hazardous Substances Data Bank
  - IARC: International Agency for Research on Cancer
  - Inh: Inhalation
  - IMDG: International Maritime Dangerous Goods
  - KECI: Korean Existing Chemicals Inventory
  - KECL: Korean Existing Chemicals List
  - LC: Lethal Concentration
  - LD: Lethal Dose
  - MA: Massachusetts
  - MN: Minnesota
  - MSHA: Mine Safety and Health Administration
  - N/Ap: Not Applicable
  - N/Av: Not Available
  - NFPA: National Fire Protection Association
  - NIOSH: National Institute of Occupational Safety and Health
  - NJ: New Jersey
  - NTP: National Toxicology Program
  - NOEC: No observable effect concentration
  - OECD: Organisation for Economic Co-operation and Development
  - OSHA: Occupational Safety and Health Administration
  - PA: Pennsylvania
  - PEL: Permissible exposure limit
  - PICCS: Philippine Inventory of Chemicals and Chemical Substances
  - RCRA: Resource Conservation and Recovery Act
  - RI: Rhode Island
  - RTECS: Registry of Toxic Effects of Chemical Substances
  - SARA: Superfund Amendments and Reauthorization Act
  - STEL: Short Term Exposure Limit
  - TDG: Canadian Transportation of Dangerous Goods Act & Regulations
  - TLV: Threshold Limit Values
  - TPQ: Threshold Planning Quantity
  - TSCA: Toxic Substance Control Act
  - TWA: Time Weighted Average
  - WHMIS: Workplace Hazardous Materials Identification System
- References** :
1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2018.
  2. International Agency for Research on Cancer Monographs, searched 2018.
  3. Canadian Centre for Occupational Health and Safety, CCHInfoWeb databases, 2018 (Chempendium, HSDB and RTECs).
  4. Material Safety Data Sheets from manufacturer.
  5. US EPA Title III List of Lists - March 2015 version.
  6. California Proposition 65 List - November 23, 2018 version.
  7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2018.
- Preparation Date (mm/dd/yyyy)** :
- 03/06/2019

### SAFETY DATA SHEET

**Other special considerations for handling**

: Provide adequate information, instruction and training for operators.

<p><b><u>Prepared for:</u></b> FPPF Chemical Company, Inc. 117 West Tupper Street Buffalo, NY, USA 14201 Telephone: 1-800-735-3773 Please direct all enquiries to FPPF Chemical Company</p>	
<p><b><u>Prepared by:</u></b> ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada) <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

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