

## Safety Data Sheet



### Section 1: Identification

#### Product identifier

- Product Name** • **Alaska Fish Fertilizer 5-1-1**
- Synonyms** • 100099249; 10009942; 100510568; 9301205; 9301255; Fish fertilizer; UPC #: 0-22671-12059-7; UPC #: 0-22671-40000-2; UPC #: 0-22671-60000-6
- Product Description** • Brown liquid.

#### Relevant identified uses of the substance or mixture and uses advised against

- Recommended use** • Specialty liquid plant fertilizer.
- Restrictions on use** • Avoid contact with eyes and skin. Keep out of the reach of children.

#### Details of the supplier of the safety data sheet

- Manufacturer** • Lilly Miller Brands  
1000 Parkwood Circle, Suite 700  
Atlanta, GA 30339  
United States  
www.penningtonfertilizer.com

#### Emergency telephone number

- Manufacturer** • 1-800-265-0761
- Manufacturer (Transportation)** 1-800-424-9300 - CHEMTREC
- Manufacturer (Transportation)** 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

### Section 2: Hazard Identification

#### United States (US)

According to OSHA 29 CFR 1910.1200 HCS

#### Classification of the substance or mixture

- OSHA HCS 2012** • Serious Eye Damage 1 - H318  
Skin Corrosion 1A - H314

#### Label elements

**OSHA HCS 2012**

**DANGER**



**Hazard statements** Causes severe skin burns and eye damage. - H314

**Precautionary statements**

<b>Prevention</b>	Do not breathe dusts or mists. - P260 Wash thoroughly after handling. - P264 Wear protective gloves/protective clothing/eye protection/face protection. - P280
<b>Response</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. - P301+P330+P331 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. - P303+P361+P353 Wash contaminated clothing before reuse. - P363 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CONTROL center. - P304+P340 Specific treatment is urgent, see supplemental first aid information in Section 4 - First Aid Measures. - P320 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338 Immediately call a POISON CENTER or doctor/physician. - P310
<b>Storage/Disposal</b>	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501 Store locked up. - P405

**Other hazards****OSHA HCS 2012**

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

**Section 3 - Composition/Information on Ingredients****Substances**

- Material does not meet the criteria of a substance.

**Mixtures**

Composition		
Chemical Name	Identifiers	%
Fish (Tuna, Anchovies, Sardines)	NDA	98.13%
Phosphoric acid	CAS:7664-38-2	1.87%

**Section 4: First-Aid Measures****Description of first aid measures****Inhalation**

- IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or doctor if you feel unwell.

**Skin**

- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse.

**Eye**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion**

- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

- Causes severe skin burns and eye damage. Refer to Section 11 - Toxicological Information.

**Indication of any immediate medical attention and special treatment needed****Notes to Physician**

- Treat symptomatically and supportively.

**Section 5: Fire-Fighting Measures****Extinguishing media**

**Suitable Extinguishing Media** Use water, foam, carbon dioxide, or dry chemical.

**Unsuitable Extinguishing Media**

- None known.

**Firefighting Procedures**

- Contact may irritate or burn skin and eyes.

**Special hazards arising from the substance or mixture**

**Unusual Fire and Explosion Hazards**

- No data available

**Hazardous Combustion Products**

- No data available

**Advice for firefighters**

- Wear positive pressure self-contained breathing apparatus (SCBA).

**Section 6 - Accidental Release Measures****Personal precautions, protective equipment and emergency procedures****Personal Precautions**

- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas. Avoid any skin contact. Avoid contact with eyes. Use appropriate Personal Protective Equipment (PPE)

**Emergency Procedures**

- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

**Environmental precautions**

- Avoid release to the environment.

**Methods and material for containment and cleaning up****Containment/Clean-up**

- Absorb spills with an inert material, clay granules or other inert absorbent material and

**Measures** put in container for disposal.

## Section 7 - Handling and Storage

### Precautions for safe handling

#### Handling

- Use good safety and industrial hygiene practices. Avoid contact with skin or eyes. Wash thoroughly with soap and water after handling. See product label for additional information.

### Conditions for safe storage, including any incompatibilities

#### Storage

- Store in cool, dry, secure place. Keep out of reach of children. Store locked up. Avoid contact with aluminum or carbon steel to minimize corrosion. Keep from freezing.

#### Incompatible Materials or Ignition Sources

- Mild steel and aluminum.

## Section 8 - Exposure Controls/Personal Protection

### Control parameters

**Exposure Limits/Guidelines** • No data available.

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Phosphoric acid (7664-38-2)	TWAs	1 mg/m <sup>3</sup> TWA	1 mg/m <sup>3</sup> TWA	1 mg/m <sup>3</sup> TWA
	STELs	3 mg/m <sup>3</sup> STEL	3 mg/m <sup>3</sup> STEL	Not established

### Exposure controls

#### Engineering

#### Measures/Controls

- Use adequate ventilation to remove vapors (fumes, dust etc)

#### Personal Protective Equipment

##### Pictograms

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##### Respiratory

- Not required with normal use.

##### Eye/Face

- Wear chemical splash safety goggles.

##### Hands

- Impervious gloves.

##### Skin/Body

- If prolonged exposure is anticipated, it is recommended for handlers to wear appropriate clothing to prevent skin contact.

#### Environmental Exposure Controls

- Refer to Section 13 - Disposal Considerations.

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

<b>Material Description</b>			
Physical Form	Liquid	Appearance/Description	Brown liquid.
Color	Brown	Odor	Strong fish odor.
Odor Threshold	No data available		
<b>General Properties</b>			
Boiling Point	> 212 F(> 100 C)	Melting Point	32 C(89.6 F)
Decomposition Temperature	No data available	pH	3.6 to 3.8
Specific Gravity/Relative Density	1.09 g/cc	Bulk Density	9.8 lbs/gal
Water Solubility	Soluble	Viscosity	Non-viscous to semi-viscous
<b>Volatility</b>			
Vapor Pressure	16 mmHg (torr)	Vapor Density	No data available
Evaporation Rate	0.3 Water = 1	VOC (Wt.)	0
VOC (Vol.)	0		
<b>Flammability</b>			
Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
<b>Environmental</b>			
Octanol/Water Partition coefficient	No data available		

## Section 10: Stability and Reactivity

### Reactivity

- Non-reactive under normal handling and storage conditions.

### Chemical stability

- Stable under normal temperatures and pressures.

### Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### Conditions to avoid

- Avoid contact with metals such as mild steel and aluminum.

### Incompatible materials

- Aluminum, mild steel and strong bases.

### Hazardous decomposition products

- No data available

## Section 11 - Toxicological Information

### Information on toxicological effects

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Skin Corrosion 1A
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Serious Eye Damage 1

## Potential Health Effects

### Inhalation

- Acute (Immediate) • No data available
- Chronic (Delayed) • No data available

### Skin

- Acute (Immediate) • May cause severe skin burns.
- Chronic (Delayed) • No data available

### Eye

- Acute (Immediate) • May cause serious eye damage.
- Chronic (Delayed) • No data available

### Ingestion

- Acute (Immediate) • No data available
- Chronic (Delayed) • No data available

## Section 12 - Ecological Information

### Toxicity

- No data available

### Persistence and degradability

- No data available.

### Bioaccumulative potential

- No data available.

### Mobility in Soil

- No data available.

**Other adverse effects**

- No studies have been found.

**Section 13 - Disposal Considerations****Waste treatment methods**

- Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Section 14 - Transport Information**

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	None	Consumer commodity (applies to non-bulk packaging only)	N/A	N/A	N/A
	UN1805	Phosphoric acid solution	8	III	N/A
IMO/IMDG	UN 1805	Phosphoric acid solution	8	III	N/A
IATA/ICAO	UN 1805	Phosphoric acid solution	8	III	N/A

**Special precautions for user.** None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • No data available

**Other information**

**IMO/IMDG** Limited quantity 5L, excepted quantity 30mL

**IATA/ICAO** Limited quantity 1L, excepted quantity 30mL

**Key to abbreviations**

N/A = Not applicable.

**Section 15 - Regulatory Information****Safety, health and environmental regulations/legislation specific for the substance or mixture**

**SARA Hazard Classifications.** Not regulated

Inventory		
Component	CAS	TSCA
Phosphoric acid	7664-38-2	Yes

**United States****Environment****U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

- Phosphoric acid 7664-38-2 5000 lb final RQ; 2270 kg final RQ

## Section 16 - Other Information

- Last Revision Date** • 01/December/2014
- Preparation Date** • 01/December/2014
- Disclaimer/Statement of Liability** • The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.
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