



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

Prevention	Do not breathe dusts or mists. - P260 Wash thoroughly after handling. - P264 Wear protective gloves/protective clothing/eye protection/face protection. - P280
Response	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
Storage/Disposal	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 ³ TWA	1 mg/m ³ TWA	1 mg/m ³ TWA
	STELs	3 mg/m ³ STEL	3 mg/m ³ STEL	Not established

Exposure controls

Engineering

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

Measures/Controls

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

Material Description			
Physical Form	Liquid	Appearance/Description	Brown liquid.
Color	Brown	Odor	Strong fish odor.
Odor Threshold	No data available		
General Properties			
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
Volatility			
Vapor Pressure	16 mmHg (torr)	Vapor Density	No data available
Evaporation Rate	0.3 Water = 1	VOC (Wt.)	0
VOC (Vol.)	0		
Flammability			
Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
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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