

Safety Data Sheet



Section 1: Identification

Product identifier

Product Name

- **Alaska Morbloom 0-10-10**

Synonyms

- 100099251; 100099252; 100099472; UPC #: 0-22671-70000-3; UPC #: 0-22671-70500-8; UPC #: 0-22671-70505-3

Product Description

- Non-viscous, colorless to pale yellow 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	%
Phosphoric acid	CAS:7664-38-2	14.175%
Other ingredients	NDA	81.1%

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 ● Toxic fumes which may include oxides of phosphorus and chlorine gas.

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 Measures ● Absorb spills with an inert material, clay granules or other inert absorbent material and 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/m3 TWA	1 mg/m3 TWA	1 mg/m3 TWA
	STELs	3 mg/m3 STEL	3 mg/m3 STEL	Not established

Exposure controls

Engineering Measures/Controls

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

Personal Protective Equipment

Pictograms



Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

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	Non-viscous, colorless to pale yellow liquid.
Color	Colorless to pale yellow.	Odor	Slight oily fish odor.
Odor Threshold	No data available	Physical and Chemical Properties	No data available
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	3.6 to 3.8
Specific Gravity/Relative Density	1.13 Water=1	Water Solubility	Soluble
Viscosity	Non-viscous		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	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

- Toxic fumes which may include oxides of phosphorus and chlorine gas.

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	ORM-D	N/A	N/A
	UN1805	Phosphoric acid solution	8	III	N/A
IMO/IMDG	UN 1805	Phosphoric acid solution	8	III	NA
IATA/ICAO	UN 1805	Phosphoric acid solution	8	III	N/A

N/A = Not Applicable

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

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • No data available

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 • 04/November/2014

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