



Alaska Morbloom 0-10-10

Safety Data Sheet

Date of issue: 11/04/2014

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Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Alaska Morbloom 0-10-10
Synonyms : 100543958, 100543959, 100099251, 100099252, 100099472, UPC#'s: 7-27644-00152-0, 7-27644-00152-0, 0-22671-70000-3, 0-22671-70500-8, 0-22671-70505-3

1.2. Recommended use and restrictions on use

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

1.3. Supplier

Lilly Miller Brands
1000 Parkwood Circle, Suite 700
Atlanta, GA 30339 - United States

www.pennington.com

1.4. Emergency telephone number

Emergency number : 1-800-265-0761
1-800-424-9300 - CHEMTREC
1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 1C Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1 Causes serious eye damage

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



GHS05

Signal word (GHS US) : Danger
Hazard statements (GHS US) : Causes severe skin burns and eye damage
Causes serious eye damage
Precautionary statements (GHS US) : Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands, forearms and face thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: rinse mouth. Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
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.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container to in accordance with local/regional/national/international regulations.

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

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2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % |
|--|---------------------|---------|
| Phosphoric acid | (CAS-No.) 7664-38-2 | 14.175 |
| Non-hazardous and/or does not meet criteria for classification | (CAS-No.) N/A | Balance |

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice and attention.
- First-aid measures after ingestion : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after skin contact : Causes skin burns.
- Symptoms/effects after eye contact : Causes serious eye damage.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Use extinguishing agent suitable for surrounding fire.
- Unsuitable extinguishing media : Avoid heavy hose streams.

5.2. Specific hazards arising from the chemical

- Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Contact may irritate or burn skin and eyes. Do not allow fire fighting water to escape into waterways or sewers. Evacuate area. Stay upwind.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Wear appropriate personal protective equipment, avoid direct contact.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection.
- Emergency procedures : Stop release. Ventilate area. Wear appropriate personal protective equipment, avoid direct contact. Do NOT wash away into sewer. Avoid release to the environment. Evacuate unnecessary personnel. Stay upwind. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Absorb spills with an inert material, clay granules or other inert absorbent material and put in container for disposal. Wear appropriate personal protective equipment, avoid direct contact.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool. Keep from freezing. Keep container closed when not in use. Avoid contact with metals.
- Incompatible materials : Mild steel. Aluminum. Strong bases.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Phosphoric acid (7664-38-2) | | |
|-----------------------------|---------------------------------------|------------------------|
| ACGIH | ACGIH TWA (mg/m ³) | 1 mg/m ³ |
| ACGIH | ACGIH STEL (mg/m ³) | 3 mg/m ³ |
| ACGIH | Remark (ACGIH) | URT, eye, & skin irr |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 1 mg/m ³ |
| IDLH | US IDLH (mg/m ³) | 1000 mg/m ³ |
| NIOSH | NIOSH REL (TWA) (mg/m ³) | 1 mg/m ³ |
| NIOSH | NIOSH REL (STEL) (mg/m ³) | 3 mg/m ³ |

8.2. Appropriate engineering controls

- Appropriate engineering controls : Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

No respiratory protection needed under normal use conditions. In case of inadequate ventilation wear respiratory protection.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Non-viscous, colorless to pale yellow liquid
- Color : Colorless to pale yellow
- Odor : Slight oily fish
- Odor threshold : No data available
- pH : 3.6 – 3.8

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| | |
|---|---------------------|
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : 1.13 |
| Solubility | : Soluble |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : Non-viscous |
| Explosion limits | : No data available |
| Explosive properties | : Not explosive |
| Oxidizing properties | : Not applicable |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Hazardous polymerization will not occur.

10.4. Conditions to avoid

Avoid contact with metals such as mild steel and aluminum.

10.5. Incompatible materials

Strong bases. Mild steel. Aluminum.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce toxic fumes/vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| Phosphoric acid (7664-38-2) | |
|-----------------------------|--|
| LD50 oral rat | 1530 mg/kg |
| LD50 dermal rabbit | 2740 mg/kg |
| LC50 inhalation rat (mg/l) | > 850 mg/m ³ (Exposure time: 1 h) |

| GHS-US Properties | Classification |
|-----------------------------------|----------------------------|
| Acute toxicity (oral) | Not classified |
| Acute toxicity (dermal) | Not classified |
| Acute toxicity (inhalation) | Not classified |
| Skin corrosion/irritation | Causes severe skin burns. |
| Serious eye damage/irritation | Causes serious eye damage. |
| Respiratory or skin sensitization | Not classified |
| Germ cell mutagenicity | Not classified |
| Carcinogenicity | Not classified |
| Reproductive toxicity | Not classified |

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| | |
|--|----------------|
| Specific target organ toxicity (single exposure) | Not classified |
| Specific target organ toxicity (repeated exposure) | Not classified |
| Aspiration hazard | Not classified |

Potential health effects

Inhalation

Acute : Inhalation may cause respiratory irritation.

Skin

Acute : May cause severe skin burns.

Eye

Acute : May cause serious eye damage.

Ingestion

Acute : Under normal conditions of use, no health effects are expected.

Mutagenicity : Not classified.

Carcinogenicity : Not classified.

Reproductive Effects : Not classified.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: Transport information

| | UN number | Proper Shipping Name | Transport hazard class(es) | Packing group | Environmental hazards |
|-------------|-----------|---------------------------|----------------------------|---------------|----------------------------------|
| DOT | UN1805 | Phosphoric acid solution | 8 | III | RQ: Phosphoric acid = 5,000 lbs. |
| IMDG | UN1805 | Phosphoric acid solution | 8 | III | Not applicable |
| IATA | UN1805 | Phosphoric acid, solution | 8 | III | Not applicable |

SECTION 15: Regulatory information

15.1. US Federal regulations

Phosphoric acid (7664-38-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

CERCLA RQ 5000 lb

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15.2. US State regulations

No additional information available

SECTION 16: Other information

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SDS US (GHS HazCom 2012) - CGP

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