SECTION 1: Identification

1.1. Identification

Product form: Substance
Substance name: 11-52-0 MonoAmmonium Phosphate
Product code: M14010

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

JR Simplot Company
P.O. Box 70013
Boise, ID 83707
T 1-208-336-2110

1.4. Emergency telephone number

Emergency number: CHEMTREC 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

- Serious eye damage/eye irritation, Category 2B: H320 - Causes eye irritation
- Specific target organ toxicity — Single exposure, Category 3: Respiratory tract irritation

Full text of H statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labelling

Hazard pictograms (GHS-US):

Signal word (GHS-US): Warning
Hazard statements (GHS-US):

- H320 - Causes eye irritation
- H335 - May cause respiratory irritation

Precautionary statements (GHS-US):

- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
- P264 - Wash hands, forearms and face thoroughly after handling
- P271 - Use only outdoors or in a well-ventilated area
- P304+P341+P338 - If inhaled: Remove person to fresh air and keep comfortable for breathing
- P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P312 - Call a poison center/doctor/... if you feel unwell
- P337+P313 - If eye irritation persists: Get medical attention
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed
- P405 - Store locked up
- P501 - Dispose of contents/container to...

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Name: 11-52-0 MonoAmmonium Phosphate
Name: Monoammonium Phosphate
Product identifier: (CAS No) 7722-76-1
%: 100
GHS-US classification: Eye Irrit. 2B, H320 STOT SE 3, H335

Full text of hazard classes and H-statements: see section 16

3.2. Mixture

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.

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. Rinse eyes with water as a precaution.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.

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

Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after eye contact: Causes eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media


Unsuitable extinguishing media: Do not use a heavy water stream.

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: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. 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. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Recover mechanically the product. On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Other information: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections
See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Precautions for safe handling: Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

Hygiene measures: 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: Keep only in the original container in a cool, well ventilated place away from:

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters

<table>
<thead>
<tr>
<th>Monoammonium Phosphate (7722-76-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
</tr>
</tbody>
</table>

8.2. Appropriate engineering controls
Appropriate engineering controls: Ensure good ventilation of the work station.

Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Avoid all unnecessary exposure.

Hand protection:
Wear protective gloves

Eye protection:
Chemical goggles or safety glasses. Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
Wear appropriate mask

Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
</tbody>
</table>
11-52-0 MonoAmmonium Phosphate
Safety Data Sheet

Flash point : Not applicable
Relative evaporation rate (butylacetate=1) : No data available
Flammability (solid, gas) : Non flammable.
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : Not applicable
Density : 63 lbs/ft^3
Solubility : No data available
Log Pow : No data available
Auto-ignition temperature : Not applicable
 Decomposition temperature : No data available
Viscosity, kinematic : Not applicable
Viscosity, dynamic : No data available
Explosive limits : Not applicable
Explosive properties : No data available
Oxidising properties : No data available

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.

10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid
Extremely high temperatures. Direct sunlight.

10.5. Incompatible materials
Oxidizing agent. Prolonged contact may cause oxidation of unprotected metals. Strong acids. Strong bases.

10.6. Hazardous decomposition products
Extremely high temperatures. NH3, CN, SOx, POx. Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified

11-52-0 MonoAmmonium Phosphate
LD50 oral rat > 2000 mg/kg
LD50 dermal rat > 5000 mg/kg

Monoammonium Phosphate (7722-76-1)
LD50 oral rat 5750 mg/kg (Rat)
LD50 dermal rat > mg/kg
LD50 dermal rabbit > 7940 mg/kg (Rabbit)
ATE US (oral) 5750 mg/kg bodyweight

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Causes eye irritation.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Based on available data, the classification criteria are not met.
# 11-52-0 MonoAmmonium Phosphate
## Safety Data Sheet

### Reproductive toxicity
- Not classified
- Based on available data, the classification criteria are not met

### Specific target organ toxicity (single exposure)
- May cause respiratory irritation.

### Specific target organ toxicity (repeated exposure)
- Not classified

### Aspiration hazard
- Not classified

### Potential adverse human health effects and symptoms
- Based on available data, the classification criteria are not met.

### Symptoms/injuries after inhalation
- May cause respiratory irritation.

### Symptoms/injuries after eye contact
- Causes eye irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity
- Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

| Monoammonium Phosphate (7722-76-1) | LC50 fish 1 | 155 ppm (96 h; Pimephales promelas) |

### 12.2. Persistence and degradability

| 11-52-0 MonoAmmonium Phosphate | Persistence and degradability | Not established. |
| Monoammonium Phosphate (7722-76-1) | Persistence and degradability | Biodegradable in water: no data available. Not established. |

### 12.3. Bioaccumulative potential

| 11-52-0 MonoAmmonium Phosphate | Bioaccumulative potential | Not established. |
| Monoammonium Phosphate (7722-76-1) | Bioaccumulative potential | Not bioaccumulative. Not established. |

### 12.4. Mobility in soil
- No additional information available

### 12.5. Other adverse effects

| Effect on the global warming | No known effects from this product. |
| GWPMix comment | No known effects from this product. |

| Other information | Avoid release to the environment. |

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

- Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.
- Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.
- Ecology - waste materials: Avoid release to the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)
- In accordance with DOT

| Other information | No supplementary information available. |
SECTION 15: Regulatory information

15.1. US Federal regulations

11-52-0 MonoAmmonium Phosphate

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA
No additional information available

EU-Regulations
No additional information available

National regulations
No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

Other information : None.

Full text of H-statements:

<table>
<thead>
<tr>
<th>H320</th>
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SDS US (GHS HazCom 2012)

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