

# PHT FOLO SPRAY SUPER PHOS 12-58-0

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : PHT FOLO SPRAY SUPER PHOS 12-58-0  
Product code : M77322PHT

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

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

JR Simplot Company  
Boise, ID 83707  
T 1-208-336-2110

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Eye Irrit. 2B H320

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) : H320 - Causes eye irritation  
Precautionary statements (GHS-US) : P264 - Wash hands thoroughly after handling  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337 + P313 - If eye irritation persists: Get medical attention

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

| Name                   | Product identifier | % | Classification (GHS-US)                |
|------------------------|--------------------|---|--|
| Monoammonium Phosphate | (CAS No) 7722-76-1 |   | Eye Irrit. 2B, H320<br>STOT SE 3, H335 |
| ammonium sulfate       | (CAS No) 7783-20-2 |   | Eye Irrit. 2B, H320<br>STOT SE 3, H335 |

### 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 : Assure fresh air breathing. Allow the victim to rest.  
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.  
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

# PHT FOLO SPRAY SUPER PHOS 12-58-0

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

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

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

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.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

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 : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : 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 vapor.

### 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 : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Respiratory protection : Wear appropriate mask.

# PHT FOLO SPRAY SUPER PHOS 12-58-0

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

|   |  |
|---|--|
| Physical state                              | : Solid  |
| Color                                       | : Colorless  |
| Odor  | : characteristic   |
| Odor threshold                              | : No data available  |
| pH  | : No data available  |
| Relative evaporation rate (butyl acetate=1) | : No data available  |
| Melting point                               | : No data available  |
| Freezing point                              | : No data available  |
| Boiling point                               | : No data available  |
| Flash point                                 | : No data available  |
| Auto-ignition temperature                   | : No data available  |
| Decomposition temperature                   | : No data available  |
| Flammability (solid, gas)                   | : No data available  |
| Vapor pressure                              | : No data available  |
| Relative vapor density at 20 °C             | : No data available  |
| Relative density                            | : No data available  |
| Solubility                                  | : Water: Solubility in water of component(s) of the mixture :<br>• : 38 g/100ml • : 77 g/100ml |
| Log Pow                                     | : No data available  |
| Log Kow                                     | : No data available  |
| Viscosity, kinematic                        | : No data available  |
| Viscosity, dynamic                          | : No data available  |
| Explosive properties                        | : No data available  |
| Oxidizing properties                        | : No data available  |
| Explosive limits                            | : No data available  |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### Monoammonium Phosphate (7722-76-1)

|               |                  |
|---------------|------------------|
| LD50 oral rat | 5750 mg/kg (Rat) |
|---------------|------------------|

# PHT FOLO SPRAY SUPER PHOS 12-58-0

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Monoammonium Phosphate (7722-76-1) |                                 |
|------------------------------------|---------------------------------|
| LD50 dermal rat                    | > mg/kg                         |
| LD50 dermal rabbit                 | > 7940 mg/kg (Rabbit)           |
| ATE US (oral)                      | 5750.00000000 mg/kg body weight |

| ammonium sulfate (7783-20-2) |                                 |
|------------------------------|---------------------------------|
| LD50 oral rat                | 2840 mg/kg (Rat)                |
| LD50 dermal rat              | > 2000 mg/kg                    |
| ATE US (oral)                | 2840.00000000 mg/kg body weight |

|   |   |
|---|---|
| Skin corrosion/irritation                           | : Not classified  |
| Serious eye damage/irritation                       | : Causes eye irritation.  |
| Respiratory or skin sensitization                   | : Not classified  |
| Germ cell mutagenicity                              | : Not classified  |
|   | Based on available data, the classification criteria are not met    |
| Carcinogenicity                                     | : Not classified  |
| Reproductive toxicity                               | : Not classified  |
|   | Based on available data, the classification criteria are not met    |
| Specific target organ toxicity (single exposure)    | : Not classified.   |
|   |   |
| Specific target organ toxicity (repeated exposure)  | : Not classified  |
|   | Based on available data, the classification criteria are not met    |
| Aspiration hazard                                   | : Not classified  |
|   | Based on available data, the classification criteria are not met    |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |

## SECTION 12: Ecological information

### 12.1. Toxicity

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

| ammonium sulfate (7783-20-2) |  |
|------------------------------|--|
| LC50 fish 1                  | 126 mg/l (96 h; Poecilia reticulata)     |
| EC50 Daphnia 1               | 202 mg/l (96 h; Daphnia magna)           |
| LC50 fish 2                  | 250 - 480 mg/l (96 h; Brachydanio rerio) |
| EC50 Daphnia 2               | 433 mg/l (50 h; Daphnia magna)           |
| TLM fish 1                   | 1290 ppm (96 h; Gambusia affinis)        |

### 12.2. Persistence and degradability

| PHT FOLO SPRAY SUPER PHOS 12-58-0 |                  |
|-----------------------------------|------------------|
| Persistence and degradability     | Not established. |

| Monoammonium Phosphate (7722-76-1) |  |
|------------------------------------|--|
| Persistence and degradability      | Biodegradability in water: no data available. Not established. |

| ammonium sulfate (7783-20-2)  |  |
|-------------------------------|--|
| Persistence and degradability | Biodegradability in water: no data available. Not established. |

### 12.3. Bioaccumulative potential

| PHT FOLO SPRAY SUPER PHOS 12-58-0 |                  |
|-----------------------------------|------------------|
| Bioaccumulative potential         | Not established. |

| Monoammonium Phosphate (7722-76-1) |                                       |
|------------------------------------|---------------------------------------|
| Bioaccumulative potential          | Not bioaccumulative. Not established. |

| ammonium sulfate (7783-20-2) |   |
|------------------------------|---|
| Log Pow                      | -5.1  |
| Bioaccumulative potential    | Bioaccumulation: not applicable. Not established. |

# PHT FOLO SPRAY SUPER PHOS 12-58-0

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No known ecological damage caused by this product.

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste 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

In accordance with DOT

Not regulated for transport

### Additional information

Other information : No supplementary information available.

### ADR

Transport document description :

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

No additional information available

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

#### Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

### 15.2.2. National regulations

No additional information available

### 15.3. US State regulations

## SECTION 16: Other information

:

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

# PHT FOLO SPRAY SUPER PHOS 12-58-0

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases: see section 16:

|               |   |
|---------------|---|
| Eye Irrit. 2B | Serious eye damage/eye irritation Category 2B               |
| STOT SE 3     | Specific target organ toxicity (single exposure) Category 3 |
| H320          | Causes eye irritation                                       |
| H335          | May cause respiratory irritation                            |

SDS US (GHS HazCom 2012)

*Disclaimer: This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.*