



# Monoamonium Phosphate

# **Section 1 - Product and Company Identification**

Material Name • Monoammonium Phosphate

 CAS Number
 • 7722-76-1

 EINECS
 • 231-764-5

 Molecular Formula
 • NH4H2PO4

 Molecular Weight
 • 115.03

**Product Description** • White powder solid with no odor.

Synonyms - Ammonium Phosphate, Monobasic; Ammonium Phosphate, Primary

Manufacturer • Innophos

PO Box 8000

259 Prospect Plains Road Cranbury, NJ 08512-8000

United States

Telephone

**Technical** • 609-495-2495

**Emergency** • 800-424-9300 - Chemtrec

**Emergency** • 615-386-7816 - Innophos Emergency Communication Team (ECT)

**Emergency** • 703-527-3887 - Chemtrec - International Collect Calls

Preparation Date • 08/13/2004 Last Revision Date • 08/27/2010

# **Section 2 - Hazards Identification**

# **Emergency Overview**

#### **WARNING**

Causes mild skin irritation. Causes eye irritation.

**Prevention** Avoid breathing dust, fume, gas, mist, vapours and/or spray. Wear protective gloves and eye/face

protection -safety glasses, . Wash : thoroughly after handling. Do not eat, drink or smoke when using

this product. Use only outdoors or in a well -ventilated area.

**Response** IF INHALED: Remove victim to fresh air and keep at rest in a postion comfortable for breathing. If skin

irritation occurs: Get medical advice/attention. Wash with plenty of soap and water. Take off

contaminated clothing and wash before reuse. 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/attention.

Storage/Disposal Dispose of content and/or container in accordance with local, regional, national, and/or international

regulations.

OSHA

WHMIS

EU

**GHS** 

None

None
None

Skin Corrosion/Irritation - Category 3, Serious Eye Damage, Eye Irritation - Category

Route Of Entry Medical Conditions Aggravated by Exposure

- Inhalation, Ingestion
- Disorders of the lungs, Skin

# NFPA:



#### **Potential Health Effects**

#### Inhalation

Acute (Immediate)

May cause mild irritation.

Chronic (Delayed)

No data available.

Skin

Acute (Immediate)

May cause mild irritation.

Chronic (Delayed)

Prolonged or repeated exposure may cause dermatitis.

Eye

Acute (Immediate)

May cause mild irritation.

**Chronic (Delayed)** 

No data available.

Ingestion

Acute (Immediate)

 May cause mild irritation. Low acute oral toxicity. Ingestion of large quantities may cause abdominal pain, abdominal cramps, nausea, vomiting, diarrhea.

**Chronic (Delayed)** 

No data available.

**Carcinogenic Effects** 

 This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

See Section 12 for Ecological Information.

# Section 3 - Composition/Information on Ingredients

Hazardous Components							
Chemical Name	CAS	%(weight)	UN;EINECS	LD50/LC50	EU Classification & R Phrases	Other	
Phosphoric acid, ammonium salt (1:1)	7722-76-1	100%	231-764-5	NDA	NDA	NDA	

Under United States Regulations (29 CFR 1900.1200 - Hazard Communication Standard), this product is considered hazardous. In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS). This product is considered dangerous according to the European Directive 67/548/EEC. According to the Globally Harmonized Standard for Classification and Labeling (GHS) this product is considered hazardous.

See Section 11 for Toxicological Information.

# Section 4 - First Aid Measures

#### Inhalation

 Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eye

• Flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lenses if worn. If eye irritation persists: Get medical advice/attention.

Ingestion

■ Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Rinse mouth. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

**Notes to Physician** 

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Ingestion of large quantities of phosphate salts (over 1.0 grams for an adult) may cause an osmotic catharsis resulting in diarrhea and probable abdominal cramps. Larger doses such as 4 -8 grams will almost certainly cause these effects in everyone. In healthy individuals most of the ingested salt will be excreted in the feces with the diarrhea and, thus, not cause any systemic toxicity. Doses greater than 10 grams hypothetically may cause systemic toxicity. Treatment should take into consideration both anionic and cation portion of the molecule. Ammonium salts have a hypothetical risk of ammonia toxicity. In addition to calcium levels, ammonia and phosphate levels should be monitored. Potassium salts have a hypothetical risk of hyperkalemia which can cause cardiac arrhythmia. In addition to calcium levels, potassium and phosphate levels should be monitored. Also consider continuous EKG monitoring to detect hyperkalemia. Sodium salts have a hypothetical risk of hypernatremia. In addition to calcium levels, sodium and phosphate levels should be monitored.

Other Information

 Call 911 or emergency medical service. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

# **Section 5 - Fire Fighting Measures**

Extinguishing Media

Unsuitable Extinguishing Media

**Firefighting Procedures** 

- Not combustible. Use extinguishing media suitable for surrounding fire.
- None known.

LARGE FIRES: Move containers from fire area if you can do it without risk.
 LARGE FIRES: Do not scatter spilled material with high pressure water streams.
 LARGE FIRES: Dike fire-control water for later disposal.

Unusual Fire and Explosion Hazards

Hazardous Combustion Products

**Protection of Firefighters** 

- Non-combustible.
- Oxides of nitrogen, oxides of phosphorus.
- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

#### Section 6 - Accidental Release Measures

Personal Precautions
Emergency Procedures
Environmental Precautions

- Do not touch or walk through spilled material.
- Keep unauthorized personnel away.
- Prevent entry into waterways, sewers, basements or confined areas. Spills may be reportable to the National Response Center (800 -424-8802) and to state and/or local agencies.

Containment/Clean-up Measures

Sweep or vacuum up and place in an appropriate closed container.
 Avoid generating dust. LARGE SPILLS: Cover powder spill with plastic sheet or tarp to minimize spreading.
 Clean up residual material by washing area with water and detergent. Collect washings for disposal.

**Prohibited Materials** 

None known.

# Section 7 - Handling and Storage

## Handling

 Keep containers closed when not in use. Avoid breathing dust. Avoid direct or prolonged contact with skin and eyes. Do not ingest. Do not use in areas without adequate ventilation.

#### Storage

Store in a cool/low-temperature, well-ventilated, dry place. Store in a tightly closed container.

# Special Packaging Materials • Incompatible Materials or

- None known.
- Strong bases, sodium hypochlorite.

# Section 8 - Exposure Controls/Personal Protection

# **Personal Protective Equipment**

**Pictograms** 

**Ignition Sources** 







Respiratory

 For limited exposure use an N95 dust mask. For prolonged exposure use an air purifying respirator with high efficiency particulate air (HĔPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face Hands

Wear safety glasses.

Wear appropriate gloves.

**General Industrial Hygiene Considerations** 

Do not use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.

**Engineering** Measures/Controls  Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Exposure Limits/Guidelines								
	Result	ACGIH	Argentina	Canada Ontario	Canada Quebec	China		
	STELs	Not established	Not established	Not established	Not established	16 mg/m3 STEL (free SiO2 <10%, except asbestos and toxic substances. Use PC-STEL of silica When free SiO2 >10%, total)  as Particulates not otherwise classified (PNOC)		
Monoammonium Phosphate	TWAs	10 mg/m3 TWA (inhalable particles, recommended); 3 mg/m3 TWA (respirable particles, recommended) as Particulates not otherwise classified (PNOC)	10 mg/m3 TWA (inhalable fraction, particulate matter containing no asbestos and less than 1% crystalline silica); 3 mg/m3 TWA (respirable fraction, particulate matter containing no asbestos and less than 1% crystalline silica)  as Particulates not otherwise classified (PNOC)	10 mg/m3 TWAEV (inhalable particulate); 3 mg/m3 TWAEV (respirable particulate) as Particulates not otherwise classified (PNOC)	10 mg/m3 TWAEV (total dust, containing no asbestos and less than 1% crystalline silica) as Particulates not otherwise classified (PNOC)	8 mg/m3 TWA (free SiO2 <10%, except asbestos and toxic substances. Use PC-TWA of silica When free SiO2 >10%, total)  as Particulates not otherwise classified (PNOC)		
_			imits/Guidelines (					
	Result	Malaysia	New Zealand	OSHA	Singapore			
		10 mg/m3 TWA						

	Exposure Limits/Guidelines (Con't.)						
	Result	Malaysia	New Zealand	OSHA	Singapore		
Monoammonium Phosphate	TWAs	10 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, inhalable fraction); 3 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)  as Particulates not otherwise classified (PNOC)	10 mg/m3 TWA (inspirable dust); 3 mg/m3 TWA (respirable dust) as Particulates not otherwise classified (PNOC)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction) as Particulates not otherwise classified (PNOC)	10 mg/m3 PEL  as Particulates not otherwise classified (PNOC)		

# Key to abbreviations

NIOSH = National Institute of Occupational Safety and Health

Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA)

STEL = Short Term Exposure Limits are based on 15-minute exposures

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

TWAEV = Time-Weighted Average Exposure Value

ACGIH = American Conference of Governmental

Industrial Hygiene

OSHA = Occupational Safety and Health Administration

# **Section 9 - Physical and Chemical Properties**

**Physical Form** 

Solid

Appearance/Description

• White powder with no odor.

Color: White		Odor: Odorless			
Taste: NDA		Odor Threshold: NDA			
Boiling Point:	NDA	Vapor Pressure:	NDA		
Melting Point:	NDA	Vapor Density:	NDA		
Specific Gravity:	1.8	Evaporation Rate:	NDA		
Density:	112.3738 lb(s)/ft <sup>3</sup>	VOC (Wt.):	NDA		
Bulk Density:	NDA	VOC (Vol.):	NDA		
pH:	4.4 to 4.9 (@ 1% wt/wt)	Volatiles (Wt.):	NDA		
Water Solubility:	Soluble 29.4 %	Volatiles (Vol.):	NDA		
Solvent Solubility:	NDA	Flash Point:	NDA		
Viscosity:	NDA	Flash Point Test Type:	NDA		
Half-Life:	NDA	UEL:	NDA		
Octanol/Water Partition coefficient:	NDA	LEL:	NDA		
Coefficient of water/oil distribution:	NDA	Autoignition:	NDA		
Bioaccumulation Factor:	NDA	Bioconcentration Factor:	NDA		
Biochemical Oxygen Demand BOD/BOD5:	NDA	Chemical Oxygen Demand:	NDA		
Persistence:	NDA	Degradation:	NDA		

# **Section 10 - Stability and Reactivity**

Stability

**Hazardous Polymerization** 

**Conditions to Avoid** 

Incompatible Materials

**Hazardous Decomposition** 

**Products** 

- Stable under normal temperatures and pressures.
- Hazardous polymerization will not occur.
- Dusting conditions, extreme heat, extreme humidity.
- Strong bases, sodium hypochlorite.
- None known.

# **Section 11 - Toxicological Information**

Other Material Information • May cause mild irritation to skin and eyes.

Monoammonium Phosphate				7722-76-1					
Test Type	Dosage	Units	Route	Species	Duration	Results	Test Class	Target Organs	Comments
Irritation	500		Skin	Rabbit	NDA	NDA	Mild irritation	NDA	NDA
Acute Toxicity	> 1000	mg/kg	Ingestion/Oral	Rat	NDA	LD50	NDA	NDA	NDA

# **Section 12 - Ecological Information**

**Ecological Fate** 

Persistence/Degradability

**Bioaccumulation Potential** 

**Mobility in Soil** 

- No data found for product.

# **Section 13 - Disposal Considerations**

**Product** 

 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

# **Section 14 - Transportation Information**

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

**DOT - United States - Department of Transportation** 

Shipping Name: Not Regulated

**TDG - Canada - Transport of Dangerous Goods** 

Shipping Name: Not Regulated

**IMO/IMDG** –International Maritime Transport

Shipping Name: Not Regulated

ADN - Europe Transport of Dangerous Goods by Road/Inland Waterway

Shipping Name: Not Regulated

IATA - International Air Transport Association

Shipping Name: Not Regulated

ADR - Europe Transport of Dangerous Goods by Road/Inland Waterway

Shipping Name: Not Regulated

**RID - Europe Transport of Dangerous Goods by Railways** 

Shipping Name: Not Regulated

# **Section 15 - Regulatory Information**

SARA Hazard Classifications - None

			Inventory				
Component	CAS	Australia AICS	Canada DSL	Canada NDSL	China	EU EINECS	
Phosphoric acid, ammonium salt (1:1)	7722-76-1	Yes	Yes	No	Yes	Yes	
	Inventory (Con't.)						
Component	CAS	EU ELNICS	Japan ENCS	Korea KECL	New Zealand	Philippines PICCS	
Phosphoric acid, ammonium salt (1:1)	7722-76-1	No	Yes	Yes	Yes	Yes	
			Inventory (Co	n't.)			
Component		CAS	Switzerland	SWISS	TSCA		
Phosphoric acid, ammonium salt (1:1	)	7722-76-1		No	Yes		

## **Australia**

#### **Environment**

Australia -	National	Pollutant	Inventory	(NIDI)	<b>Substance List</b>
Australia -	Malionai	ronulani	IIIVEIILOIV	UNED	Substance List

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)

Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

#### **Australia - Priority Existing Chemical Program**

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)

Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

#### Other

#### The Australia Group - Export Control List - Chemical Weapons Precursors

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

#### Canada

#### Labor

## Canada - List of Prohibited and Restricted Cosmetic Ingredients (The Cosmetic Ingredient Hotlist)

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

#### Canada - WHMIS - Classifications of Substances

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1) 7722-76-1 100% Not Listed

## Canada - WHMIS - Ingredient Disclosure List

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1) 7722-76-1 100% Not Listed

#### **Environment**

# Canada - CEPA - Priority Substances List

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1) 7722-76-1 100% Not Listed

#### China

#### Other

#### China - Annex I & II - Controlled Chemicals Lists

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

## **China - Dangerous Goods List**

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

# Croatia

7722-76-1 7722-76-1	100%	Not Listed Not Listed Not Listed	
	100%	Not Listed	
7722-76-1	100%		
7722-76-1	100%	Not Listed	
7722-76-1		Not Listed	
		Not Listed	
7722-76-1	100%	Not Listed	
7722-76-1		Not Listed	
		Not Listed	
7722-76-1	100%	Not Listed	
7722-76-1		Not Listed	
		Not Listed	
7722-76-1	100%	Not Listed	
	7722-76-1 7722-76-1 7722-76-1	7722-76-1 100%  7722-76-1 100%  7722-76-1 100%	Not Listed 7722-76-1 100% Not Listed 7722-76-1 Not Listed Not Listed 7722-76-1 100% Not Listed 7722-76-1 Not Listed Not Listed Not Listed

# Egypt

Egypt - Air Pollutants - Emissions Limits - Overall Particle	S	
Monoammonium Phosphate	7722-76-1	Not Liste
Monoammonium Phosphate as Particulates not otherwise clas	sified (PNOC)	Not Liste
<ul> <li>Phosphoric acid, ammonium salt (1:1)</li> </ul>	7722-76-1	100% Not Liste
Egypt - Air Pollutants - Maximum Limits		
Monoammonium Phosphate	7722-76-1	Not Liste
Monoammonium Phosphate as Particulates not otherwise clas	sified (PNOC)	Not Liste
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# Europe

En	wir	n	m	n	4	_

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Environment			
EU - Substances Depleting the Ozone layer (1005/2009) - Annex I Substa	ances		
Monoammonium Phosphate	7722-76-1		Not Listed
<ul> <li>Monoammonium Phosphate as Particulates not otherwise classified (PNOC)</li> </ul>			Not Listed
Phosphoric acid, ammonium salt (1:1)	7722-76-1	100%	Not Listed
EU - Seveso II Directive (96/82/EC) - Qualifying Quantities for Major Accid	lent Notifica	ation	
Monoammonium Phosphate	7722-76-1		Not Listed
<ul> <li>Monoammonium Phosphate as Particulates not otherwise classified (PNOC)</li> </ul>			Not Listed
<ul> <li>Phosphoric acid, ammonium salt (1:1)</li> </ul>	7722-76-1	100%	Not Listed
EU - Seveso II Directive (96/82/EC) - Qualifying Quantities for Safety Rep	ort Require	ements	
Monoammonium Phosphate	7722-76-1		Not Listed
<ul> <li>Monoammonium Phosphate as Particulates not otherwise classified (PNOC)</li> </ul>			Not Listed
<ul> <li>Phosphoric acid, ammonium salt (1:1)</li> </ul>	7722-76-1	100%	Not Listed

Other			
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification			
<ul> <li>Monoammonium Phosphate</li> </ul>	7722-76-1		Not Listed
<ul> <li>Monoammonium Phosphate as Particulates not otherwise classified (PNOC)</li> </ul>			Not Listed
<ul> <li>Phosphoric acid, ammonium salt (1:1)</li> </ul>	7722-76-1	100%	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits			
<ul> <li>Monoammonium Phosphate</li> </ul>	7722-76-1		Not Listed
<ul> <li>Monoammonium Phosphate as Particulates not otherwise classified (PNOC)</li> </ul>			Not Listed
<ul> <li>Phosphoric acid, ammonium salt (1:1)</li> </ul>	7722-76-1	100%	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling			
Monoammonium Phosphate	7722-76-1		Not Listed
<ul> <li>Monoammonium Phosphate as Particulates not otherwise classified (PNOC)</li> </ul>			Not Listed
<ul> <li>Phosphoric acid, ammonium salt (1:1)</li> </ul>	7722-76-1	100%	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Pre	parations		
<ul> <li>Monoammonium Phosphate</li> </ul>	7722-76-1		Not Listed
<ul> <li>Monoammonium Phosphate as Particulates not otherwise classified (PNOC)</li> </ul>			Not Listed
<ul> <li>Phosphoric acid, ammonium salt (1:1)</li> </ul>	7722-76-1	100%	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases			
<ul> <li>Monoammonium Phosphate</li> </ul>	7722-76-1		Not Listed
<ul> <li>Monoammonium Phosphate as Particulates not otherwise classified (PNOC)</li> </ul>			Not Listed
<ul> <li>Phosphoric acid, ammonium salt (1:1)</li> </ul>	7722-76-1	100%	Not Listed
EU - Hazardous Substances Restricted or Prohibited in Electrical Equipn	nent (2002/9	95/EC) (	RoHS)
<ul> <li>Monoammonium Phosphate</li> </ul>	7722-76-1		Not Listed
<ul> <li>Monoammonium Phosphate as Particulates not otherwise classified (PNOC)</li> </ul>			Not Listed
<ul> <li>Phosphoric acid, ammonium salt (1:1)</li> </ul>	7722-76-1	100%	Not Listed

# India

dia - Hazardous Chemical Rules - List of Hazardous and Tox	ic Chemicals		
Monoammonium Phosphate	7722-76-1		Not Listed
<ul> <li>Monoammonium Phosphate as Particulates not otherwise classified</li> </ul>	d (PNOC)		Not Listed
Phosphoric acid, ammonium salt (1:1)	7722-76-1	100%	Not Listed
ndia - Ozone Depleting Substances - Schedule I			
Monoammonium Phosphate	7722-76-1		Not Listed
<ul> <li>Monoammonium Phosphate as Particulates not otherwise classified</li> </ul>	d (PNOC)		Not Listed
<ul> <li>Phosphoric acid, ammonium salt (1:1)</li> </ul>	7722-76-1	100%	Not Listed

# Indonesia

nvironment			
Indonesia - Hazardous Waste from Non-Specific Sources			
Monoammonium Phosphate	7722-76-1		Not Listed
• Monoammonium Phosphate as Particulates not otherwise classified (PNOC)			Not Listed
Phosphoric acid, ammonium salt (1:1)	7722-76-1	100%	Not Listed
Indonesia - Hazardous Waste from Specific Sources			
Monoammonium Phosphate	7722-76-1		Not Listed
• Monoammonium Phosphate as Particulates not otherwise classified (PNOC)			Not Listed

#### **Japan**

#### Labor

#### Japan - ISHL Dangerous Substances

Monoammonium Phosphate
 Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1 100% Not Listed

Japan - ISHL Designated Carcinogens

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1) 7722-76-1 100% Not Listed

Japan - ISHL Harmful Substances Prohibited for Manufacture

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

## **Environment**

#### Japan - Air Pollution Control Law - Emission Standards for Air Pollutants

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

#### Inventory - Japan - Industrial Safety and Health Law Substances (ISHL)

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

# Korea

#### Labor

#### Korea - MOE - Harmful Substances

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

## Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substances

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

## Environment •

#### Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

# Malaysia

#### Labor

#### Malaysia - Occupational Safety & Health - Risk Phrases

Monoammonium Phosphate 7722-76-1 Not Listed

•	Monoammonium Phosphate as Particulates not otherwise classified (PNOC)			Not Listed	
•	Phosphoric acid, ammonium salt (1:1)	7722-76-1	100%	Not Listed	
	alaysia - Occupational Safety & Health - Safety Phrases				
•	Monoammonium Phosphate	7722-76-1		Not Listed	
•	Monoammonium Phosphate as Particulates not otherwise classified (PNOC)			Not Listed	
•					

## **Environment**

#### Malaysia - Clean Air Regulations - Noxious and Offensive Substances

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)

Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

# **Mexico**

#### **Environment**

#### Mexico - Pollutant Release and Transfer Register - Reporting Emissions - Threshold Quantities

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1 100% Not Listed

#### Other

#### **Mexico - Hazard Classifications**

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)

Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

## **Mexico - Regulated Substances**

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1) 7722-76-1 100% Not Listed

# **New Zealand**

#### Other

#### **New Zealand - Ozone Depleting Substances**

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

# Other Agency Information

# Other

#### AIHA - Emergency Response Planning Guidelines - ERPG-1 Values

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

#### AIHA - Emergency Response Planning Guidelines - ERPG-2 Values

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

## AIHA - Emergency Response Planning Guidelines - ERPG-3 Values

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

## **Philippines**

# **Environment**

#### Philippines - Ozone Depleting Substances - Annex A - Group I

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1 100% Not Listed

#### Other

#### **Philippines - Priority Chemical List**

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)

Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1 100% Not Listed

## **Singapore**

#### **Environment**

#### Singapore - Air Impurities Emission Limits

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

## Singapore - List of Hazardous Substances

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

#### South Africa

#### Labor

# South Africa - General Machinery Regulations - Notifiable Substances

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)

Not Listed

Phosphoric acid, ammonium salt (1:1) 7722-76-1 100% Not Listed

#### **Taiwan**

#### Environment

# Taiwan - Toxic Chemical Substances Control Act - Threshold Regulated Quantities

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

#### Taiwan - Toxic Chemical Substances Control Act - Classification and Control Levels

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

#### **Thailand**

#### Labor

#### **Thailand - Air Contaminant Standards**

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)

Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

#### Environment

#### **Thailand - Quantities of Chemicals**

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

# Other

#### **Thailand - Hazardous Substances**

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

#### **United States**

#### Environment

U.S CAA	(Clean Air Act)	- 1990 Hazardous	Air Pollutants
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Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

#### U.S. - CAA (Clean Air Act) - Class I Ozone Depletors

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1) 7722-76-1 100% Not Listed

## U.S. - CAA (Clean Air Act) - Class II Ozone Depletors

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1)
 7722-76-1
 100% Not Listed

#### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1) 7722-76-1 100% Not Listed

# U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1) 7722-76-1 100% Not Listed

# U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

Monoammonium Phosphate
 7722-76-1
 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1) 7722-76-1 100% Not Listed

# U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC)
 Not Listed

Phosphoric acid, ammonium salt (1:1) 7722-76-1 100% Not Listed

#### U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC) Not Listed

Phosphoric acid, ammonium salt (1:1) 7722-76-1 100% Not Listed

#### U.S. - SDWA (Safe Drinking Water Act) - CCL (Contaminant Candidate List)

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC) Not Listed

Phosphoric acid, ammonium salt (1:1) 7722-76-1 100% Not Listed

#### **Vietnam**

#### Environment

#### Vietnam - Air Quality - Ambient Air Quality Standards

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC) Not Listed

Phosphoric acid, ammonium salt (1:1) 7722-76-1 100% Not Listed

# Vietnam - Air Quality - Industrial Emission Standards

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC) Not Listed

7722-76-1 100% Not Listed Phosphoric acid, ammonium salt (1:1)

#### Vietnam - Air Quality - Maximum Allowable Concentration of Highly Hazardous Chemicals

Monoammonium Phosphate 7722-76-1 Not Listed

Monoammonium Phosphate as Particulates not otherwise classified (PNOC) Not Listed

Phosphoric acid, ammonium salt (1:1) 7722-76-1 100% Not Listed

# Section 16 - Other Information

**Preparation Date Last Revision Date**  08/13/2004

10/27/2010

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