

# Apex 16-6-11 NPK MAX

## 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 : Apex 16-6-11 NPK MAX  
Product code : M779585

#### 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 ... 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 advice/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)                                       |
|----------------------------|---------------------|---|---|
| ammonium nitrate           | (CAS No) 6484-52-2  |   | Eye Irrit. 2B, H320   |
| potassium sulfate          | (CAS No) 7778-80-5  |   | Not classified  |
| Monoammonium Phosphate     | (CAS No) 7722-76-1  |   | Eye Irrit. 2B, H320<br>STOT SE 3, H335                        |
| Polymer Coating            |                     |   | Not classified  |
| magnesium sulfate          | (CAS No) 7487-88-9  |   | Not classified  |
| edta iron(iii) sodium salt | (CAS No) 15708-41-5 |   | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>STOT SE 3, H335 |
| Wax                        | (CAS No) 64771-72-8 |   | Not classified  |
| diatomaceous earth         | (CAS No) 61790-53-2 |   | Eye Irrit. 2B, H320<br>STOT SE 3, H335                        |
| manganese(II)sulfate       | (CAS No) 7785-87-7  |   | STOT RE 2, H373   |
| copper(II)sulfate          | (CAS No) 7758-98-7  |   | Acute Tox. 3 (Oral), H301<br>Skin Irrit. 2, H315              |

# Apex 16-6-11 NPK MAX

## Safety Data Sheet

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

| Name               | Product identifier | % | Classification (GHS-US)                       |
|--------------------|--------------------|---|---|
| zinc sulfate       | (CAS No) 7733-02-0 |   | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318 |
| disodium molybdate | (CAS No) 7631-95-0 |   | Not classified                                |

### 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.
- 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

- Reactivity : Stable.

#### 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.

# Apex 16-6-11 NPK MAX

## Safety Data Sheet

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

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

| edta iron(iii) sodium salt (15708-41-5) |                                |                     |
|---|--------------------------------|---------------------|
| USA ACGIH                               | ACGIH TWA (mg/m <sup>3</sup> ) | 1 mg/m <sup>3</sup> |

| manganese(II)sulfate (7785-87-7) |                                |                       |
|----------------------------------|--------------------------------|-----------------------|
| USA ACGIH                        | ACGIH TWA (mg/m <sup>3</sup> ) | 0.1 mg/m <sup>3</sup> |

| disodium molybdate (7631-95-0) |                                |                       |
|--------------------------------|--------------------------------|-----------------------|
| USA ACGIH                      | ACGIH TWA (mg/m <sup>3</sup> ) | 0.5 mg/m <sup>3</sup> |

### 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.  
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  
Appearance : Green granules.  
Color : Green  
Odor : No data available on odour  
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 :  
• : 190 g/100ml • : 38 g/100ml • : 11 g/100ml • : 26 g/100ml • : 20 g/100ml • : < 10 g/100ml • : 52 g/100ml • : > 54 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

# Apex 16-6-11 NPK MAX

## Safety Data Sheet

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

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable.

#### 10.2. Chemical stability

Stable. Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Extremely high temperatures. Direct sunlight. Extremely high or low temperatures.

#### 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. The product may reach melting point and decompose to release NH<sub>3</sub>, SO<sub>x</sub>, PO<sub>x</sub>, or CN. fume. Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| <b>ammonium nitrate (6484-52-2)</b> |                                 |
|-------------------------------------|---------------------------------|
| LD50 oral rat                       | 4820 mg/kg (Rat)                |
| LD50 dermal rabbit                  | > 3000 mg/kg (Rabbit)           |
| ATE US (oral)                       | 4820.00000000 mg/kg body weight |

| <b>Monoammonium Phosphate (7722-76-1)</b> |                                 |
|---|---------------------------------|
| LD50 oral rat                             | 5750 mg/kg (Rat)                |
| LD50 dermal rat                           | > mg/kg                         |
| LD50 dermal rabbit                        | > 7940 mg/kg (Rabbit)           |
| ATE US (oral)                             | 5750.00000000 mg/kg body weight |

| <b>potassium sulfate (7778-80-5)</b> |                                 |
|--------------------------------------|---------------------------------|
| LD50 oral rat                        | 6600 mg/kg (Rat)                |
| ATE US (oral)                        | 6600.00000000 mg/kg body weight |

| <b>magnesium sulfate (7487-88-9)</b> |                    |
|--------------------------------------|--------------------|
| LD50 oral rat                        | > 4000 mg/kg (Rat) |
| LD50 dermal rat                      | > 2000 mg/kg (Rat) |

| <b>copper(II)sulfate (7758-98-7)</b> |                                |
|--------------------------------------|--------------------------------|
| LD50 oral rat                        | 300 mg/kg (Rat)                |
| LD50 dermal rabbit                   | > 1000 mg/kg (Rabbit)          |
| ATE US (oral)                        | 300.00000000 mg/kg body weight |

| <b>edta iron(iii) sodium salt (15708-41-5)</b> |                                 |
|--|---------------------------------|
| LD50 oral rat                                  | 5000 mg/kg (Rat)                |
| ATE US (oral)                                  | 5000.00000000 mg/kg body weight |

| <b>manganese(II)sulfate (7785-87-7)</b> |                                      |
|---|--------------------------------------|
| LD50 oral rat                           | 2150 mg/kg (Rat; Experimental value) |
| ATE US (oral)                           | 2150.00000000 mg/kg body weight      |

| <b>disodium molybdate (7631-95-0)</b> |  |
|---------------------------------------|--|
| LD50 oral rat                         | 4000 mg/kg (Rat)                       |
| LD50 dermal rat                       | > 2000 mg/kg (Rat)                     |
| LC50 inhalation rat (mg/l)            | > 2.1 mg/l/4h (Rat; >584 mg/l/4h; Rat) |
| ATE US (oral)                         | 4000.00000000 mg/kg body weight        |

# Apex 16-6-11 NPK MAX

## Safety Data Sheet

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

| <b>zinc sulfate (7733-02-0)</b> |                                 |
|---------------------------------|---------------------------------|
| LD50 oral rat                   | 1000 - 2000 mg/kg (Rat)         |
| ATE US (oral)                   | 1000.00000000 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   |

| <b>diatomaceous earth (61790-53-2)</b> |                      |
|--|----------------------|
| IARC group                             | 3 - Not classifiable |

|   |   |
|---|---|
| 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

| <b>ammonium nitrate (6484-52-2)</b> |  |
|-------------------------------------|--|
| LC50 fish 1                         | 74 mg/l (48 h; Cyprinus carpio; Lethal)        |
| EC50 Daphnia 1                      | 555 mg/l (Daphnia magna)                       |
| LC50 fish 2                         | 800 mg/l (3.9 h; Pisces)                       |
| TLM fish 1                          | 100 - 1000,96 h; Pisces                        |
| TLM other aquatic organisms 1       | 100 - 1000,96 h                                |
| Threshold limit algae 1             | 83 mg/l (Scenedesmus quadricauda; Growth rate) |

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

| <b>potassium sulfate (7778-80-5)</b>      |   |
|---|---|
| LC50 fish 1                               | 1692.4 mg/l (96 h; Alburnus alburnus)         |
| LC50 other aquatic organisms 1            | > 1000 mg/l (96 h)                            |
| EC50 Daphnia 1                            | 890 mg/l (48 h; Daphnia magna; Static system) |
| LC50 fish 2                               | 653 - 796 mg/l (96 h; Lepomis macrochirus)    |
| EC50 Daphnia 2                            | 1180 mg/l (96 h; Crustacea)                   |
| TLM fish 1                                | 3550 ppm (96 h; Lepomis sp.)                  |
| Threshold limit other aquatic organisms 1 | > 1000 mg/l (96 h)                            |
| Threshold limit algae 1                   | 2900 mg/l (72 h; Scenedesmus subspicatus)     |

| <b>magnesium sulfate (7487-88-9)</b>      |   |
|---|---|
| LC50 fish 1                               | 14000 mg/l (48 h; Leuciscus idus)                 |
| EC50 Daphnia 1                            | 1700 mg/l (24 h; Daphnia magna)                   |
| LC50 fish 2                               | 15500 mg/l (96 h; Gambusia affinis)               |
| Threshold limit other aquatic organisms 1 | 27.4 g/l (0.5 h; Photobacterium phosphoreum)      |
| Threshold limit algae 2                   | 220 mg/l (72 h; Scenedesmus subspicatus; Biomass) |

| <b>copper(II)sulfate (7758-98-7)</b> |   |
|--------------------------------------|---|
| LC50 fish 1                          | 0.0199 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Soft water) |
| EC50 Daphnia 1                       | 0.01 mg/l (48 h; Daphnia magna; Soft water)                           |
| LC50 fish 2                          | 0.298 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Hard water)  |

# Apex 16-6-11 NPK MAX

## Safety Data Sheet

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

| <b>copper(II)sulfate (7758-98-7)</b> |   |
|--------------------------------------|---|
| EC50 Daphnia 2                       | 0.2 mg/l (48 h; Daphnia magna; Hard water)          |
| TLM fish 1                           | 3.8 ppm 24 h; Salmo gairdneri (Oncorhynchus mykiss) |
| Threshold limit algae 2              | 1.1 mg/l (Scenedesmus quadricauda)                  |

| <b>edta iron(iii) sodium salt (15708-41-5)</b> |                          |
|--|--------------------------|
| LC50 fish 1                                    | 2592 mg/l (96 h; Pisces) |

| <b>manganese(II)sulfate (7785-87-7)</b> |   |
|---|---|
| LC50 fish 1                             | 2850 mg/l (96 h; Colisa fasciatus; Manganese ion) |
| EC50 Daphnia 1                          | 8.28 mg/l (48 h; Daphnia magna)                   |
| LC50 fish 2                             | 33.8 mg/l (96 h; Pimephales promelas)             |
| EC50 Daphnia 2                          | 10 mg/l (24 h; Daphnia magna)                     |
| Threshold limit algae 1                 | 25.7 mg/l (Phaeodactylum; Growth)                 |
| Threshold limit algae 2                 | 61 mg/l (72 h; Desmodesmus subspicatus; GLP)      |

| <b>disodium molybdate (7631-95-0)</b> |   |
|---------------------------------------|---|
| LC50 fish 1                           | > 1000 mg/l (96 h; Oncorhynchus kisutch; Dihydrate)               |
| EC50 Daphnia 1                        | 330 mg/l (48 h; Daphnia magna; Dihydrate)                         |
| LC50 fish 2                           | 7600 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)             |
| Threshold limit algae 1               | 4.6 mg/l (72 h; Selenastrum capricornutum; Nominal concentration) |
| Threshold limit algae 2               | 12.5 mg/l (72 h; Scenedesmus subspicatus; Dihydrate)              |

| <b>zinc sulfate (7733-02-0)</b> |  |
|---------------------------------|--|
| LC50 fish 1                     | 1.7 mg/l (96 h; Poecilia reticulata)                     |
| EC50 Daphnia 1                  | 1 mg/l (24 h; Daphnia magna)                             |
| LC50 fish 2                     | 2.4 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)     |
| EC50 Daphnia 2                  | 0.56 mg/l (48 h; Daphnia magna)                          |
| Threshold limit algae 1         | 136 µg/l (72 h; Selenastrum capricornutum; Growth rate)  |
| Threshold limit algae 2         | 24 µg/l (3 days; Selenastrum capricornutum; Growth rate) |

### 12.2. Persistence and degradability

| <b>Apex 16-6-11 NPK MAX</b>   |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

| <b>ammonium nitrate (6484-52-2)</b> |   |
|-------------------------------------|---|
| Persistence and degradability       | Biodegradable in water. Biodegradable in the soil. Not established. |

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

| <b>potassium sulfate (7778-80-5)</b> |  |
|--------------------------------------|--|
| Persistence and degradability        | Biodegradability: not applicable. Not established. |
| Biochemical oxygen demand (BOD)      | Not applicable                                     |
| Chemical oxygen demand (COD)         | Not applicable                                     |
| ThOD                                 | Not applicable                                     |
| BOD (% of ThOD)                      | Not applicable                                     |

| <b>magnesium sulfate (7487-88-9)</b> |  |
|--------------------------------------|--|
| Persistence and degradability        | Biodegradability: not applicable. Not established. |
| Biochemical oxygen demand (BOD)      | Not applicable                                     |
| Chemical oxygen demand (COD)         | Not applicable                                     |
| ThOD                                 | Not applicable                                     |
| BOD (% of ThOD)                      | Not applicable                                     |

| <b>copper(II)sulfate (7758-98-7)</b> |   |
|--------------------------------------|---|
| Persistence and degradability        | May cause long-term adverse effects in the environment. |
| Biochemical oxygen demand (BOD)      | Not applicable  |
| Chemical oxygen demand (COD)         | Not applicable  |
| ThOD                                 | Not applicable  |
| BOD (% of ThOD)                      | Not applicable  |

# Apex 16-6-11 NPK MAX

## Safety Data Sheet

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

| <b>edta iron(iii) sodium salt (15708-41-5)</b> |  |
|--|--|
| Persistence and degradability                  | Biodegradable in water. Not established. |

| <b>manganese(II)sulfate (7785-87-7)</b> |   |
|---|---|
| Persistence and degradability           | Biodegradability: not applicable. No (test)data on mobility of the substance available. May cause long-term adverse effects in the environment. |
| ThOD                                    | Not applicable (inorganic)  |

| <b>disodium molybdate (7631-95-0)</b> |   |
|---------------------------------------|---|
| Persistence and degradability         | Biodegradability: not applicable. Photolysis in water. Not established. |
| Biochemical oxygen demand (BOD)       | Not applicable  |
| Chemical oxygen demand (COD)          | Not applicable  |
| ThOD                                  | Not applicable  |
| BOD (% of ThOD)                       | Not applicable  |

| <b>zinc sulfate (7733-02-0)</b> |  |
|---------------------------------|--|
| Persistence and degradability   | Biodegradability: not applicable. Not established. |
| Biochemical oxygen demand (BOD) | Not applicable                                     |
| Chemical oxygen demand (COD)    | Not applicable                                     |
| ThOD                            | Not applicable                                     |
| BOD (% of ThOD)                 | Not applicable                                     |

| <b>Wax (64771-72-8)</b>       |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

| <b>diatomaceous earth (61790-53-2)</b> |  |
|--|--|
| Persistence and degradability          | Biodegradability: not applicable. Not established. |
| Biochemical oxygen demand (BOD)        | Not applicable                                     |
| Chemical oxygen demand (COD)           | Not applicable                                     |
| ThOD                                   | Not applicable                                     |
| BOD (% of ThOD)                        | Not applicable                                     |

### 12.3. Bioaccumulative potential

| <b>Apex 16-6-11 NPK MAX</b> |                  |
|-----------------------------|------------------|
| Bioaccumulative potential   | Not established. |

| <b>ammonium nitrate (6484-52-2)</b> |   |
|-------------------------------------|---|
| Log Pow                             | -3.1  |
| Bioaccumulative potential           | Bioaccumulation: not applicable. Not established. |

| <b>Monoammonium Phosphate (7722-76-1)</b> |                                       |
|---|---------------------------------------|
| Bioaccumulative potential                 | Not bioaccumulative. Not established. |

| <b>potassium sulfate (7778-80-5)</b> |                                       |
|--------------------------------------|---------------------------------------|
| Bioaccumulative potential            | Not bioaccumulative. Not established. |

| <b>magnesium sulfate (7487-88-9)</b> |   |
|--------------------------------------|---|
| Bioaccumulative potential            | No bioaccumulation data available. Not established. |

| <b>copper(II)sulfate (7758-98-7)</b> |               |
|--------------------------------------|---------------|
| Bioaccumulative potential            | Bioaccumable. |

| <b>edta iron(iii) sodium salt (15708-41-5)</b> |   |
|--|---|
| Log Pow  | -10.6   |
| Bioaccumulative potential                      | Bioaccumulation: not applicable. Not established. |

| <b>manganese(II)sulfate (7785-87-7)</b> |   |
|---|---|
| Bioaccumulative potential               | No bioaccumulation data available. Not established. |

| <b>disodium molybdate (7631-95-0)</b> |   |
|---------------------------------------|---|
| BCF fish 1                            | 4.9 (28 days; Oncorhynchus tshawytscha)                         |
| BCF other aquatic organisms 1         | 164.3 (Mollusca)  |
| Bioaccumulative potential             | Low potential for bioaccumulation (BCF < 500). Not established. |

# Apex 16-6-11 NPK MAX

## Safety Data Sheet

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

| <b>zinc sulfate (7733-02-0)</b> |  |
|---------------------------------|--|
| BCF fish 1                      | 59 - 242 (Cyprinus carpio; Test duration: 8 weeks) |
| Bioaccumulative potential       | Bioaccumable. Not established.                     |

| <b>Wax (64771-72-8)</b>   |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

| <b>diatomaceous earth (61790-53-2)</b> |   |
|--|---|
| Bioaccumulative potential              | No bioaccumulation data available. Not established. |

### 12.4. Mobility in soil

| <b>copper(II)sulfate (7758-98-7)</b> |                 |
|--------------------------------------|-----------------|
| Ecology - soil                       | Toxic to flora. |

### 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

| <b>Apex 16-6-11 NPK MAX</b>  |        |
|--|--------|
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory                              |        |
| All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory except for: |        |
| Polymer Coating  | CAS No |

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

| <b>copper(II)sulfate (7758-98-7)</b>                           |       |
|--|-------|
| Listed on United States SARA Section 313                       |       |
| RQ (Reportable quantity, section 304 of EPA's List of Lists) : | 10 lb |

| <b>zinc sulfate (7733-02-0)</b>                                |         |
|--|---------|
| Listed on United States SARA Section 313                       |         |
| RQ (Reportable quantity, section 304 of EPA's List of Lists) : | 1000 lb |



# Apex 16-6-11 NPK MAX

## Safety Data Sheet

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

### 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

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

#### ammonium nitrate (6484-52-2)

U.S. - New Jersey - Right to Know Hazardous Substance List

#### copper(II)sulfate (7758-98-7)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

#### zinc sulfate (7733-02-0)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

#### diatomaceous earth (61790-53-2)

U.S. - New Jersey - Right to Know Hazardous Substance List

## 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.

Full text of H-phrases: see section 16:

|                     |   |
|---------------------|---|
| Acute Tox. 3 (Oral) | Acute toxicity (oral) Category 3                                  |
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4                                  |
| Eye Dam. 1          | Serious eye damage/eye irritation Category 1                      |
| Eye Irrit. 2A       | Serious eye damage/eye irritation Category 2A                     |
| Eye Irrit. 2B       | Serious eye damage/eye irritation Category 2B                     |
| Skin Irrit. 2       | Skin corrosion/irritation Category 2                              |
| STOT RE 2           | Specific target organ toxicity (repeated exposure) Category 2     |
| STOT SE 3           | Specific target organ toxicity (single exposure) Category 3       |
| H301                | Toxic if swallowed  |
| H302                | Harmful if swallowed  |
| H315                | Causes skin irritation  |
| H318                | Causes serious eye damage   |
| H319                | Causes serious eye irritation                                     |
| H320                | Causes eye irritation   |
| H335                | May cause respiratory irritation                                  |
| H373                | May cause damage to organs through prolonged or repeated exposure |

# Apex 16-6-11 NPK MAX

## Safety Data Sheet

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

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SDS US (GHS HazCom 2012)

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