

# **SAFETY DATA SHEET**

# **Super Rainbow® Plant Food Tobacco 6-12-18**

## **Section 1. Identification**

**GHS** product identifier

: Super Rainbow® Plant Food Tobacco 6-12-18

Other means of identification

: Froduct code(s): 1340-25820; 1341-25820; 1841-25820

Product type : Granular solid.

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

| Identified uses      |        |
|----------------------|--------|
| Fertilizer.          |        |
|                      |        |
| Uses advised against | Reason |

Supplier's details : Agrium Canada Partnership (A Subsidiary of Nutrien Ltd.)

13131 Lake Fraser Drive, S.E. Calgary, Alberta, Canada, T2J 7E8

Agrium U.S. Inc. (A Subsidiary of Nutrien Ltd.)

5296 Harvest Lake Drive Loveland, CO 80538

Company phone number (North America): 1-800-403-2861 (Customer Service)

sds@nutrien.com - www.nutrien.com

Emergency telephone number (with hours of operation)

Mutrien North American

24 HOUR EMERGENCY TELEPHONE NUMBERS:

English:

Transportation Emergencies: 1-800-792-8311 Medical Emergencies: 1-303-389-1653

French or Spanish:

Tranportation or Medical Emergencies: 1-303-389-1654

## Section 2. Hazards identification

OSHA/HCS status : This m

: This material is considered hazardous by the OSHA Hazard Communication Standard

(29 CFR 1910.1200).

Classification of the substance or mixture

: SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B

**GHS label elements** 

Hazard pictograms : Not Applicable.

No Aplicable.
Non applicable.

Signal word : Warning

**Hazard statements**: Causes eye irritation.

**Precautionary statements** 

General : Read label before use. Keep out of reach of children. If medical advice is needed, have

product container or label at hand.

**Prevention**: Wear eye or face protection. Wash hands and face before breaks and immediately after

handling the product.

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### Section 2. Hazards identification

Response : 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 attention.

Storage : Not applicable.

Disposal : Not applicable.

Hazards not otherwise : Ha

classified

: Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

## Section 3. Composition/information on ingredients

Substance/mixture : Multi-constituent substance

#### **CAS** number/other identifiers

**CAS number** : Not available.

| Ingredient name                    | %       | CAS number |
|------------------------------------|---------|------------|
| Potassium magnesium sulfate        | 27      | 14977-37-8 |
| Potassium nitrate                  | 20      | 7757-79-1  |
| Ammonium dihydrogen orthophosphate | 17 - 22 | 7722-76-1  |
| Calcium sulfate, dihydrate         | 9 - 10  | 10101-41-4 |
| Potassium sulfate                  | 6 - 7   | 7778-80-5  |
| Limestone                          | 5       | 1317-65-3  |
| Ammonium nitrate                   | 2 - 3   | 6484-52-2  |
| Ammonium sulfate                   | 0 - 5   | 7783-20-2  |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

#### Description of necessary first aid measures

Eye contact : Causes eye

: Causes eye irritation. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. If irritation persists,

get medical attention.

Inhalation : Non-hazardous in case of inhalation. No known significant effects or critical hazards.

Get medical attention if symptoms occur.

In a fire, hazardous decomposition products may be produced. If any ill effects are felt, proceed as follows. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. For additional advice call the medical emergency number on this SDS or your

poison center or doctor.

Skin contact : No known effect after skin contact. Rinse with water for a few minutes.

**Ingestion**: Ingestion may cause gastrointestinal irritation and diarrhea. Wash out mouth with water.

Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. For additional advice call the medical emergency

number on this SDS or your poison center or doctor.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact**: Causes eye irritation.

Inhalation : Exposure to airborne concentrations above statutory or recommended exposure limits

may cause irritation of the nose, throat and lungs.

**Skin contact**: No known significant effects or critical hazards.

Ingestion : May cause irritation of the digestive tract with accompanying nausea, vomiting and

diarrhea.

#### Over-exposure signs/symptoms

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### Section 4. First aid measures

: Adverse symptoms may include the following: **Eve contact** 

> irritation watering redness

Inhalation : Adverse symptoms may include the following:

respiratory tract irritation

coughing

**Skin contact** : No specific data. Ingestion : No specific data.

#### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Contact Nutrien's 24 Hr Medical Emergency telephone number for professional support: English: 1-303-389-1653; French or Spanish: 1-303-389-1654

Specific treatments

: No specific treatment. Treat symptomatically.

**Protection of first-aiders** 

: No action shall be taken involving any personal risk or without suitable training. Depending on the situation, the rescuer should wear an appropriate mask, gloves, protective clothing and a respirator or self-contained breathing apparatus. Mouth-tomouth resuscitation of oral exposure patients is not recommended. First-aiders with contaminated clothing should be properly decontaminated.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

#### **Extinguishing media**

Suitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing

media

: None known.

sulfur oxides

Specific hazards arising from the chemical

**Hazardous thermal** decomposition products : No specific fire or explosion hazard. The substance will not burn. Undergoes thermal decomposition at elevated temperatures to release toxic and flammable gases.

: Decomposition products may include the following materials: nitrogen oxides

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective** equipment for fire-fighters Remark

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

: Contain and collect the water used to fight the fire for later treatment and disposal.

# Section 6. Accidental release measures

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

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

#### **Environmental precautions**

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Will dissolve and disperse in water. Reclaiming material may not be possible. If possible, recover spilled product and place in suitable containers for recycle, reuse, or disposal. Product will promote algae growth and may degrade water quality and taste. Notify downstream water users. Inform the relevant authorities if the product has caused adverse impacts (sewers, waterways, soil or air).

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### Section 6. Accidental release measures

#### Methods and materials for containment and cleaning up

**Small spill** 

: Move containers from spill area. Avoid dust generation. Recycle, if possible.

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Place spilled material in a designated, labeled waste container. Dispose of via a

licensed waste disposal contractor.

Large spill

: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Avoid creating dusty conditions and prevent

wind dispersal. Recycle to process, if possible.

or

Place spilled material in an appropriate container for disposal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and

Section 13 for waste disposal.

# Section 7. Handling and storage

#### Precautions for safe handling

**Protective measures** 

: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. May form steep piles that can collapse without warning when stored in bulk. Avoid forming steep slopes when removing product. Ensure that bulk bags or smaller packaged products stored in tiers are stacked, racked, blocked, interlocked, or otherwise secured to prevent sliding, rolling, or collapse. Use caution when opening truck or railcar doors as product may have shifted during transport.

Must be stored in a dry location. Absorbs moisture on long-term storage under high humidity conditions. Store away from incompatible materials (see Section 10). When product is stored in sealable containers, keep container tightly closed and sealed until ready for use. Sealable containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Refer to NFPA 400 Hazardous Materials Code for further information on the safe storage and handling of hazardous materials.

# Section 8. Exposure controls/personal protection

#### **Control parameters**

Occupational exposure limits

| Ingredient name                    | Exposure limits   |
|------------------------------------|---|
| Potassium magnesium sulfate        | OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m³; Respirable fraction: 5 mg/m³.    |
| Potassium nitrate                  | OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m³; Respirable fraction: 5 mg/m³.    |
| Ammonium dihydrogen orthophosphate | OSHA (United States):  Particulates not otherwise regulated (PNOR)  TWA (8 hours), Total dust: 15 mg/m³;  Respirable fraction: 5 mg/m³. |
| Calcium sulfate, dihydrate         | ACGIH TLV (United States, 4/2014).<br>TWA: 10 mg/m³ 8 hours. Form: Inhalable<br>fraction  |
| Limestone                          | OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m³; Respirable fraction: 5 mg/m³.    |

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## Section 8. Exposure controls/personal protection

Potassium sulfate OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m3; Respirable fraction: 5 mg/m³. Ammonium nitrate OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m<sup>3</sup>; Respirable fraction: 5 mg/m<sup>3</sup>. Ammonium sulfate OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m3; Respirable fraction: 5 mg/m3.

#### Appropriate engineering controls

: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory

# **Environmental exposure**

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures**

: Wash hands, forearms and face thoroughly after handling chemical products, before **Hygiene measures** 

eating, smoking and using the lavatory and at the end of the working period. Wash

contaminated clothing before reusing.

Safety eyewear complying with an approved standard should be used when a risk Eye/face protection

assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. If operating conditions cause high dust concentrations to be produced, use dust goggles.

#### Skin protection

**Body protection** 

**Respiratory protection** 

**Hand protection** : The personal protective equipment required varies, depending upon your risk

assessment. No special protection is required. For prolonged or repeated handling, use

the following type of gloves: leather work gloves

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling

this product. Cotton or cotton/synthetic overalls or coveralls are normally suitable.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a

specialist before handling this product. No special measures are typically indicated.

: A respirator is not needed under normal and intended conditions of product use. Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Contact your personal protective equipment manufacturer to verify the compatibility of the equipment for the intended purpose. For U.S. work sites where respiratory protection is required, ensure that a respiratory protection program

meeting 29 CFR 1910.134 requirements is in place.

# Section 9. Physical and chemical properties

#### **Appearance**

**Physical state** Granular solid.

Color : Gray. Odor Odorless. **Odor threshold** Not applicable.

Hq : 6 [Conc. (% w/w): 10%]

: Not available. **Melting point Boiling point** : Decomposes.

Flash point [Product does not sustain combustion.]

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## Section 9. Physical and chemical properties

**Evaporation rate** 

: Not applicable.

Flammability (solid, gas)

: Not applicable. The substance will not burn. Undergoes thermal decomposition at

elevated temperatures to release toxic and flammable gases.

Lower and upper explosive

(flammable) limits

: Not applicable.

Vapor pressure : Not applicable. Vapor density : Not applicable. : Not available. Relative density

: Easily soluble in the following materials: hot water. Solubility

Soluble in the following materials: cold water.

Solubility in water Partition coefficient: n-

octanol/water

: Water soluble. : Not available.

Auto-ignition temperature

: Not applicable. **Decomposition temperature** : Not available. : Not applicable. **Viscosity** 

Aerosol product

# Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid

: Absorbs moisture on long-term storage under high humidity conditions. Store in a well-

ventilated, dry place. Protect from moisture.

Incompatible materials

: Incompatible with halogens. Incompatible with copper alloys. Contact your sales representative or a metallurgical specialist to ensure compatability with your equipment.

**Hazardous decomposition** products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological information

#### Information on toxicological effects

#### **Acute toxicity**

| Product/ingredient name     | Result                          | Species       | Dose        | Exposure |
|-----------------------------|---------------------------------|---------------|-------------|----------|
| Ammonium sulfate            | LD50 Oral                       | Mouse - Male, | 3040 mg/kg  | -        |
|                             |                                 | Female        |             |          |
|                             | LD50 Oral                       | Rat           | 2840 mg/kg  | -        |
|                             | LD50 Oral                       | Rat - Male,   | >2000 mg/kg | -        |
|                             |                                 | Female        |             |          |
| Potassium magnesium sulfate | LD50 Oral                       | Rat           | 3 g/kg      | -        |
| Calcium sulfate, dihydrate  | LC50 Inhalation Dusts and mists | Rat - Male,   | >3.26 mg/l  | 4 hours  |
|                             |                                 | Female        | CaSO4.2H2O  |          |
|                             | LD50 Oral                       | Rat - Male,   | >1581 mg/kg | -        |
|                             |                                 | Female        |             |          |
| Ammonium dihydrogen         | LD50 Oral                       | Rat - Male,   | >2000 mg/kg | -        |
| orthophosphate              |                                 | Female        |             |          |
| Ammonium nitrate            | LD50 Oral                       | Rat           | 2217 mg/kg  | -        |
|                             | LD50 Oral                       | Rat - Male,   | 2950 mg/kg  | -        |
|                             |                                 | Female        |             |          |

Conclusion/Summary Irritation/Corrosion

: Very low toxicity to humans or animals. No known significant effects or critical hazards.

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# Section 11. Toxicological information

| Product/ingredient name | Result                           | Species | Score | Exposure | Observation |
|-------------------------|----------------------------------|---------|-------|----------|-------------|
| Ammonium sulfate        | Skin                             | Rabbit  | 0     | 20 hours | 24 hours    |
|                         | Eyes                             | Rabbit  | 0     | -        | 72 hours    |
| Ammonium nitrate        | Skin                             | Rabbit  | 0     | -        | 72 hours    |
|                         | Eyes - Edema of the conjunctivae | Rabbit  | 3     | -        | 3 days      |

#### **Conclusion/Summary**

**Skin**: No known significant effects or critical hazards.

Eyes : Causes eye irritation.

**Respiratory**: No known significant effects or critical hazards.

#### **Sensitization**

| Product/ingredient name  | Route of exposure | Species    | Result  |
|--|-------------------|------------|---|
| Ammonium sulfate<br>Calcium sulfate, dihydrate<br>Ammonium nitrate | Skin              | Guinea pig | Not sensitizing<br>Not sensitizing<br>Not sensitizing |

#### **Conclusion/Summary**

Skin : Non-sensitizer.

**Respiratory**: No known significant effects or critical hazards.

#### **Mutagenicity**

| Product/ingredient name    | Test   | Experiment   | Result   |
|----------------------------|--|--|----------|
| Ammonium sulfate           | OECD 476   | Experiment: In vitro<br>Subject: Mammalian-Animal<br>Cell: Somatic | Negative |
|                            | OECD 473   | Experiment: In vitro<br>Subject: Mammalian-Animal<br>Cell: Germ    | Negative |
| Calcium sulfate, dihydrate | OECD 476 <i>In vitro</i> Mammalian Cell Gene Mutation Test       | Experiment: In vitro<br>Subject: Mammalian-Animal<br>Cell: Germ    | Negative |
| Ammonium nitrate           | OECD 471 Bacterial<br>Reverse Mutation Test                      | Experiment: In vitro Subject: Bacteria                             | Negative |
|                            | OECD 476 <i>In vitro</i><br>Mammalian Cell Gene<br>Mutation Test | Experiment: In vitro<br>Subject: Mammalian-Animal                  | Negative |

#### **Conclusion/Summary**

: No known significant effects or critical hazards.

#### Carcinogenicity

| Product/ingredient name | Result                 | Species               | Dose | Exposure                    |
|-------------------------|------------------------|-----------------------|------|-----------------------------|
| Ammonium sulfate        | Negative - Oral - TCLo | Rat - Male,<br>Female | 0    | 2 years; 7 days<br>per week |

#### **Conclusion/Summary**

: No known significant effects or critical hazards. Potential for nitrosamine formation if ingested. Do not ingest.

### **Classification**

| Product/ingredient name | OSHA  | IARC | NTP |
|-------------------------|-------|------|-----|
| Ammonium sulfate        | None. | -    | -   |

#### **Reproductive toxicity**

| Product/ingredient name    | Maternal toxicity | Fertility | Development toxin | Species                 | Dose                    | Exposure |
|----------------------------|-------------------|-----------|-------------------|-------------------------|-------------------------|----------|
| Ammonium sulfate           | Negative          | Negative  | -                 | Mouse - Male,<br>Female | Oral:<br>5000 mg/<br>kg | -        |
| Calcium sulfate, dihydrate | Negative          | Negative  | Negative          | Rat - Male, Female      | Oral                    | -        |

#### **Conclusion/Summary**

: No known significant effects or critical hazards.

### **Teratogenicity**

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## Section 11. Toxicological information

| Product/ingredient name | Result          | Species               | Dose       | Exposure |
|-------------------------|-----------------|-----------------------|------------|----------|
| Ammonium sulfate        | Negative - Oral | Rat - Male,<br>Female | 1500 mg/kg | -        |

**Conclusion/Summary**: No known significant effects or critical hazards.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### **Aspiration hazard**

Not available.

Information on the likely

routes of exposure

: Routes of entry anticipated: Inhalation.

#### Potential acute health effects

**Eye contact** : Causes eye irritation.

Inhalation : Exposure to airborne concentrations above statutory or recommended exposure limits

may cause irritation of the nose, throat and lungs.

**Skin contact**: No known significant effects or critical hazards.

Ingestion : May cause irritation of the digestive tract with accompanying nausea, vomiting and

diarrhea.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact**: Adverse symptoms may include the following:

irritation watering redness

**Inhalation**: Adverse symptoms may include the following:

respiratory tract irritation

coughing

Skin contact : No specific data.

Ingestion : No specific data.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

#### **Short term exposure**

**Potential immediate** 

effects

: May interfere with the oxygen carrying capacity of the blood if ingested in large quantities or over a prolonged period of time. Persons with anemia, bowel diseases, or infants, are

more likely to develop effects. Over-exposure by ingestion is unlikely under normal

working conditions.

Potential delayed effects :

ts : Not available.

Long term exposure

**Potential immediate** 

: Not available.

effects

: Potential for nitrosamine formation if ingested. Do not ingest.

#### Potential chronic health effects

Potential delayed effects

| Product/ingredient name | Result             | Species               | Dose      | Exposure                     |
|-------------------------|--------------------|-----------------------|-----------|------------------------------|
| Ammonium sulfate        | Chronic NOAEL Oral | Rat - Male,<br>Female | 256 mg/kg | 52 weeks; 7 days<br>per week |
| Ammonium nitrate        | Chronic NOAEL Oral | Rat - Male,<br>Female | 256 mg/kg | -                            |

Conclusion/Summary

: No known significant effects or critical hazards.

General

: No known significant effects or critical hazards.

Carcinogenicity

: Potential for nitrosamine formation if ingested. Do not ingest.

Mutagenicity Teratogenicity No known significant effects or critical hazards.No known significant effects or critical hazards.

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# Section 11. Toxicological information

**Developmental effects** 

: No known significant effects or critical hazards.

**Fertility effects** 

: No known significant effects or critical hazards.

#### Numerical measures of toxicity

#### **Acute toxicity estimates**

| Route | ATE value                  |  |
|-------|----------------------------|--|
|       | 2769.5 mg/kg<br>15.79 mg/l |  |

# Section 12. Ecological information

### **Toxicity**

| Product/ingredient name    | Result                                | Species                                  | Exposure |
|----------------------------|---------------------------------------|--|----------|
| Ammonium sulfate           | Acute LC50 2.6 mg/l Fresh water       | Crustaceans - Ceriodaphnia dubia - Young | 48 hours |
|                            | Acute LC50 14000 μg/l Fresh water     | Daphnia - Daphnia magna -<br>Young       | 48 hours |
|                            | Acute LC50 53 mg/l                    | Fish - Oncorhynchus mykis                | 96 hours |
| Calcium sulfate, dihydrate | EC50 >79 mg/l                         | Algae                                    | 72 hours |
|                            | EC50 >79 mg/l                         | Daphnia                                  | 48 hours |
|                            | EC50 >790 mg/l                        | Micro-organism                           | 3 hours  |
|                            | Acute LC50 >1970 mg/l                 | Fish                                     | 96 hours |
| Ammonium nitrate           | Chronic NOEC 6 to 12 mg/l Fresh water | Crustaceans - Cladocera                  | 21 days  |

**Conclusion/Summary** 

: Practically non-toxic to aquatic organisms.

#### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

Not available.

#### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

Mobility

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

# Section 13. Disposal considerations

#### **Disposal methods**

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

# Section 14. Transport information

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## **Section 14. Transport information**

|                            | DOT<br>Classification | TDG<br>Classification | Mexico<br>Classification | ADR/RID        | IMDG           | IATA           |
|----------------------------|-----------------------|-----------------------|--------------------------|----------------|----------------|----------------|
| UN number                  | Not regulated.        | Not regulated.        | Not regulated.           | Not regulated. | Not regulated. | Not regulated. |
| UN proper shipping name    | -                     | -                     | -                        | -              | -              | -              |
| Transport hazard class(es) | -                     | -                     | -                        | -              | -              | -              |
| Packing group              | -                     | -                     | -                        | -              | -              | -              |
| Environmental hazards      | No.                   | No.                   | No.                      | No.            | No.            | No.            |
| Additional information     | -                     | -                     | -                        | -              | -              | -              |

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

: Not listed

: Not listed

U.S. Federal Regulations: : TSCA 8(a) CDR Exempt/Partial exemption: Not determined

TSCA 8(b) Active inventory: All components are listed or exempted.

Clean Air Act Section 112

(b) Hazardous Air **Pollutants (HAPs)** 

: Not listed

Clean Air Act Section 602 **Class I Substances** 

Clean Air Act Section 602

: Not listed Class II Substances

**DEA List I Chemicals** (Precursor Chemicals)

: Not listed

**DEA List II Chemicals** 

(Essential Chemicals) **SARA 304 RQ** : Not applicable.

**SARA 311/312** 

: Immediate (acute) health hazard Classification

Composition/information on ingredients

| Name  | % | Fire<br>hazard     | Sudden<br>release of<br>pressure | Reactive          | Immediate<br>(acute)<br>health<br>hazard | Delayed<br>(chronic)<br>health<br>hazard. |
|---|---|--------------------|----------------------------------|-------------------|--|---|
| Potassium nitrate<br>Calcium sulfate, dihydrate<br>Ammonium nitrate |   | Yes.<br>No.<br>No. | No.                              | No.<br>No.<br>No. | No.<br>Yes.<br>Yes.                      | No.<br>No.<br>No.                         |

**SARA 313** 

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## Section 15. Regulatory information

|                                 | Product name   | CAS number                                       | %                             |
|---------------------------------|--|--|-------------------------------|
| Form R - Reporting requirements | Ammonium dihydrogen orthophosphate<br>Ammonium sulfate | 7757-79-1<br>7722-76-1<br>7783-20-2<br>6484-52-2 | 20<br>17 - 22<br>0 - 5<br>2.8 |
| Supplier notification           | Ammonium dihydrogen orthophosphate<br>Ammonium sulfate | 7757-79-1<br>7722-76-1<br>7783-20-2<br>6484-52-2 | 20<br>17 - 22<br>0 - 5<br>2.8 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

#### **State regulations**

Massachusetts : The following components are listed: Potassium nitrate; Ammonium sulfate; Ammonium

nitrate; Calcium carbonate

New York : None of the components are listed.

New Jersey : The following components are listed: Potassium nitrate; Nitric acid, potassium salt;

Ammonium nitrate; Nitric acid, ammonium salt; Calcium carbonate; Limestone

Pennsylvania : The following components are listed: Nitric acid, potassium salt ; Sulfuric acid

diammonium salt; Nitric acid, ammonium salt; Limestone

#### California Prop. 65

Not applicable – This product is not registered for sale into the State of California and has not been evaluated for Prop 65 notification requirements.

#### **International regulations**

# International lists

**National inventory** 

**Canada**: All components are listed or exempted.

**Europe** : Not determined.

### Section 16. Other information

**History** 

Date of issue/Date of

revision

: 5/6/2019

Date of previous issue : 6/13/2018

Version : 1.7

Key to abbreviations

: ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

References : Transportation of Dangerous Goods Act and Clear Language Regulations, current

edition at time of SDS preparation, Transport Canada;

Hazardous Products Act and Regulations, current revision at time of SDS preparation,

Health Canada;

Domestic Substances List, current revision at time of SDS preparation, Environment

Canada:

29 CFR Part 1910, current revision at time of SDS preparation, U.S. Occupational

Safety and Health Administration;

40 CFR Parts 1-799, current revision at time of SDS preparation, U.S. Environmental

Protection Agency;

49 CFR Parts 1-199, current revision at time of SDS preparation, U.S. Department of

Transport:

Mexican Official Standard NOM-018-STPS-2015, Harmonised System for the

Identification and Communication of Hazards and Risks by Hazardous Chemicals in the

Workplace;

NORMA Oficial Mexicana NOM-010-STPS-2014, Agentes químicos contaminantes del

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## Section 16. Other information

ambiente laboral-Reconocimiento, evaluación y control.

Mexican Official Standard NOM-002-SCT / 2011, List of the most commonly transported hazardous substances and materials:

Threshold Limit Values for Chemical Substances, current edition at time of SDS preparation, American Conference of Governmental Industrial Hygienists; NFPA 400, National Fire Codes, National Fire Protection Association, current edition at time of SDS preparation:

NFPA 704, National Fire Codes, National Fire Protection Association, current edition at time of SDS preparation;

Corrosion Data Survey, Sixth Edition, 1985, National Association of Corrosion Engineers;

ERG 2016, Emergency Response Guidebook, U.S. Department of Transport, Transport Canada, and the Secretariat of Transportation and Communications of Mexico Hazardous Substances Data Bank, current revision at time of SDS preparation, National Library of Medicine, Bethesda, Maryland

Integrated Risk Information System, current revision at time of SDS preparation, U.S. Environmental Protection Agency, Washington, D.C.

Pocket Guide to Chemical Hazards, current revision at time of SDS preparation, National Institute for Occupational Safety and Health, Cincinnati, Ohio; Agency for Toxic Substances and Disease Registry Databank, current revision at time of SDS preparation, U.S. Department of Health and Human Services, Atlanta, Georgia National Toxicology Program, Report on Carcinogens, Division of the National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina. Registry of Toxic Effects of Chemical Substances. National Institute for Occupational Safety and Health, Cincinnati, Ohio California Code of Regulations, Title 27, Div 4, Chapter 1, Proposition 65 Aug 30, 2018

California Code of Regulations, Title 27, Div 4, Chapter 1, Proposition 65 Aug 30, 2018 rev and current updates

#### Indicates information that has changed from previously issued version.

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