

SAFETY DATA SHEET

Super Rainbow® Plant Food Sweet Potato 6-3-18

Section 1. Identification

GHS product identifier	: Super Rainbow® Plant Food Sweet Potato 6-3-18
Other means of identification	: Product code(s): I000081; I000082
Product type	- Granular solid.

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

Identified uses	
Fertilizer.	

Supplier's details

 Rainbow Fertilizer LLC (a Division of Timac Agro USA) 1011 Oak Avenue Americus, GA 31709

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

www.rainbowplantfoodproducts.com

Emergency telephone number (with hours of operation) : USA POISON CONTROL CENTER (24h/7d) 1-800-222-1222

Section 2. Hazards identification **OSHA/HCS** status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). **Classification of the** : SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous substance or mixture system (CNS)) (inhalation) - Category 2 **GHS label elements Hazard pictograms** Signal word : Warning : May cause damage to organs through prolonged or repeated exposure if inhaled. **Hazard statements** (central nervous system (CNS)) **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. : Do not breathe dust or mist. Prevention : Get medical attention if you feel unwell. Response : Not applicable. Storage Dispose of contents and container in accordance with all local, regional, national and Disposal 2 international regulations. Date of issue/Date of revision : 3/3/2022 : 5/6/2019 1/12 Version : 2.6 Date of previous issue

Section 2. Hazards identification

Hazards not otherwise 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	num	ber

CAS number : See below.		
Ingredient name	%	CAS number
Calcium sulfate, dihydrate	25 - 26	10101-41-4
Potassium chloride	23 - 25	7447-40-7
Potassium magnesium sulfate	17 - 19	14977-37-8
Ammonium sulfate	10 - 18	7783-20-2
Ammonium dihydrogen orthophosphate	3 - 6	7722-76-1
Manganous oxide	1 - 2	1344-43-0
Ulexite	1 - 2	1319-33-1

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

Description of necessary first	aid measures
Eye contact	: No known significant effects or critical hazards. May cause irritation due to mechanical action. 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	: Not considered to be acutely toxic. Repeated or prolonged exposure to the substance can produce nervous system damage. Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. In case of inhalation of decomposition products in a fire, symptoms may be delayed. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: No known effect after skin contact. Rinse with water for a few minutes.
Ingestion	: No known significant effects or critical hazards. 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/eff	ects, acute and delayed
Potential acute health effects	
Eye contact	: May cause irritation due to mechanical action.
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/sympto	o <u>ms</u>
Eye contact	: Adverse symptoms may include the following: irritation watering

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Inhalation	respiratory coughing	mptoms may include the tract irritation Section 11. Toxicological	-			
	watering redness					

Section 4. First aid measures

Skin contact	: No specific data.
Ingestion	 No specific data. Adverse symptoms may include the following: discomfort (gastrointestinal) nausea or vomiting diarrhea
dia dia 4000 metatra dia	diarrnea

Notes to physician : Treat symptomatically and supportively. Contact poison treatment specialist immediately if ingested or inhaled. In case of inhalation of the substance, or exposure to its decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments	: No specific treatment. Treat symptomatically.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. Mouth- to-mouth 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	: Non-flammable. Material will not burn. Use an extinguishing agent suitable for the surrounding fire.	
Unsuitable extinguishing media	: None known.	
Specific hazards arising from the chemical	: No specific fire or explosion hazard. The substance will not burn. Undergoes thermal decomposition at elevated temperatures to release toxic and flammable gases.	
Hazardous thermal decomposition products	: Decomposition products may include the following materials: nitrogen oxides sulfur 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	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.	
Remark	: Contain and collect the water used to fight the fire for later treatment and disposal.	

Section 6. Accidental release measures

Personal precautions, protect	tiv	e 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 non-emergency 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).

Methods and materials for containment and cleaning up

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Section 6. Accidental release measures

Small spill	 Put on appropriate personal protective equipment (see Section 8). Move containers from spill area. Avoid dust generation. Use appropriate equipment to put the spilled substance in a container for reuse or disposal. Recycle, if possible. or Dispose of via a licensed waste disposal contractor.
Large spill	 Put on appropriate personal protective equipment (see Section 8). 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. Use appropriate equipment to put the spilled substance in a container for reuse or disposal. Recycle to process, if possible. or 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	1	
Protective measures	1	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.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits				
Potassium chloride	OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m ³ ; Respirable fraction: 5 mg/m ³ .				
Ammonium dihydrogen orthophosphate	OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m ³ ; Respirable fraction: 5 mg/m ³ .				
Ammonium sulfate		OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m ³ ; Respirable fraction: 5 mg/m ³ .			
Potassium magnesium sulfate		OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m ³ ; Respirable fraction: 5 mg/m ³ .			
Calcium sulfate, dihydrate	ACGIH TLV (United States, 4/2014). TWA: 10 mg/m ³ 8 hours. Form: Inhalable fraction				
Ulexite		Borax (Borates): ACGIH TLV-TWA: 2 mg/m³ as the inhalable			
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Section 8. Exposure controls/personal protection

Manganous oxide	fraction; 6 mg/m³ as the inhalable fraction. Fed OSHA Permissible Exposure Limit: Table Z-1 8-hr Time Weighted Avg: 15 mg/m³ as total dust Manganese: ACGIH TLV-TWA 0.2 mg/m3 as Mn OSHA Permissible Exposure Limit: 5 mg/m3 ceiling
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 limits.
Environmental exposure controls	: 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 meas	ures
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk 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	
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
Body protection	: 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.
Respiratory protection	: 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	: Grayish - Brown						
Odor	: Odorless.						
Odor threshold	: Not applicable.						
рН	: 6 [Conc. (% w/w): 10%]						
Melting point	: Not available.						
Boiling point	: Decomposes.						
Flash point	: [Product does not sustain combustion.]						
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.						
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Section 9. Physical and chemical properties

Vapor pressure	: Not applicable.
Vapor density	: Not applicable.
Relative density	: Not available.
Solubility	: Easily soluble in the following materials: hot water. Soluble in the following materials: cold water.
Solubility in water	: Water soluble.
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: Not available.
Viscosity	: Not applicable.
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 oxidizers
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
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		
Potassium chloride	LD50 Oral	Rat	2600 mg/kg	-
Potassium magnesium sulfate	LD50 Oral	Rat	3 g/kg	-
Ammonium sulfate	LD50 Oral	Mouse - Male,	3040 mg/kg	-
		Female		
	LD50 Oral	Rat	2840 mg/kg	-
	LD50 Oral	Rat - Male,	>2000 mg/kg	-
		Female		
Ammonium dihydrogen	LD50 Oral	Rat - Male,	>2000 mg/kg	-
orthophosphate		Female		

Conclusion/Summary : Not considered to be acutely toxic. Repeated or prolonged overexposure may result in chronic health effects.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Potassium chloride	Eyes	Rabbit	0	24 hours 500 milligrams	-
Ammonium sulfate	Skin	Rabbit	0	20 hours	24 hours
	Eyes	Rabbit	0	-	72 hours
Sodium chloride	Eyes	Rabbit	0	-	-
Conclusion/Summary			·	·	
Skin	: No known signifi	cant effects or critical ha	azards.		

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Section 11. Toxicological information

- : No known significant effects or critical hazards.
- Eyes Respiratory

Sensitization

: No known significant effects or critical hazards.

Product/ingredient name	Route of exposure	SI	Species				Result			
Ammonium sulfate	Skin	G	Guinea pig				Not sensitizing			
Conclusion/Summary Skin Respiratory	: Non-sens : No know		t effe	ects or	critical haz	ards.				
<u>Mutagenicity</u> Product/ingredient name	Test			Exper	imont			Result		
Potassium chloride	Test					ivo		Negativ	0	
Ammonium sulfate	- OECD 476 OECD 473			Experiment: In vivo Subject: Mammalian-Animal Cell: Somatic Experiment: In vitro Subject: Mammalian-Animal Cell: Somatic Experiment: In vitro Subject: Mammalian-Animal Cell: Germ			Negative			
Conclusion/Summary Carcinogenicity	: No know	n significan	t effe	ects or	critical haz	ards.				
Product/ingredient name	Result				Species		Dose	E	хро	sure
Potassium chloride Ammonium sulfate	Negative -	Negative - Oral - TDLo Negative - Oral - TCLo			Rat - Male Rat - Male Female	·,	1820 mg/kg 1288 mg/kg	2	yea er w	irs; 7 days veek
Sodium chloride	Negative -				Rat - Male -			-		
Conclusion/Summary Classification	: No know	n significan	t effe	ects or	critical haz	ards.				
Product/ingredient name	OSHA	IARC	NT	Р						
Ammonium sulfate	None.	-	-							
Reproductive toxicity	I	1								
Product/ingredient name	Maternal toxicity	Fertility		Devel toxin	opment	Specie	S	Dose		Exposure
		Negative				Mariaa	- Male,	Oral:		-

Product/ingredient name	Result	Species	Dose	Exposure
Ammonium sulfate	- J	Rat - Male, 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)

Name		Route of exposure	Target organs
Manganese oxide	Category 2		central nervous system (CNS)

Aspiration hazard

Not available.

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Section 11. Toxicological information

Information on the likely routes of exposure	:	Routes of entry anticipated: Inhalation.
Potential acute health effects		
Eye contact	1	May cause irritation due to mechanical action.
Inhalation	1	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	1	May cause irritation of the digestive tract with accompanying nausea, vomiting and diarrhea.

Symptoms related to t	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 See also: Section 11. Toxicological information
Skin contact	: No specific data.
Ingestion	: No specific data. Adverse symptoms may include the following: discomfort (gastrointestinal) nausea or vomiting diarrhea

	ts and also chronic effects from short and long term exposure
Short term exposure Potential immediate effects	: Acute or intermediate exposure to excess manganese affects the respiratory system and the central nervous system. Inflammation of the lungs may occur after acute toxic inhalation. "Manganese pneumonia" has been reported in mine workers with clinical signs of alveolar inflammation, marked dyspnea, shallow respiration, facial cyanosis and an increased susceptibility to infection. Acute renal failure, abdominal pain, and mild methemoglobinemia have been reported following the ingestion of manganese-containing products. These effects have not been associated with the low solubility substance used in this product.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Inhalation of large quantities of manganese containing dust over many years may result in damage to the central nervous system, with symptoms of sleepiness, tremors and weakness in the legs, slurred speech, emotional disturbances, loss of balance, and in more advanced cases, an irreversible condition with symptoms similar to Parkinsons or Lou Gehrig's disease, including a mask-like facial expression, spastic gait, tremors, slurred speech, fatigue, anorexia, apathy, and inability to concentrate in more advanced cases. The neurologic disorder that develops is known as "manganism". A syndrome may develop with symptoms of compulsive behavior, emotional volatility and hallucinations. High levels of manganese in the blood may increase anemia by interfering with iron absorption. Iron deficiency may increase an individual's susceptibility to manganese. Studies suggest that populations at risk of adverse effects due to manganese exposure are infants, and those with existing iron deficiency. These effects have not been associated with the low solubility substance used in this product.

Product/ingredient name	Result	Species	Dose	Exposure
Potassium chloride	Chronic NOAEL Oral	Rat - Male	1820 mg/kg	-
Ammonium sulfate	Chronic NOAEL Oral	Rat - Male, Female	256 mg/kg	52 weeks; 7 days per week
Sodium chloride	Chronic LOEL Oral	Rat - Male	2533 mg/kg	2 years

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Section 11. Toxicological information

General	: See above.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
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

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Potassium chloride	Acute EC50 1337000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 9.24 g/L Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 83000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 9.68 mg/l Fresh water	Crustaceans - Pseudosida ramosa - Neonate	48 hours
	Acute LC50 435000 µg/l Fresh water	Fish - Gambusia affinis - Adult	96 hours
Ammonium sulfate	Acute LC50 2.6 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Young	48 hours
	Acute LC50 53 mg/l	Fish - Oncorhynchus mykis	96 hours
	Chronic NOEC 143 µg/l Marine water	Fish - Salmo salar - Post-smolt	5 weeks
Sodium chloride	Acute EC50 2430000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 28.85 mg/dm3 Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 519.6 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours
	Acute IC50 6.87 g/L Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 1661 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Morone saxatilis - Larvae	96 hours
	Chronic LC10 781 mg/l Fresh water	Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling)	3 weeks
	Chronic NOEC 6 g/L Fresh water Chronic NOEC 0.314 g/L Fresh water Chronic NOEC 100 mg/l Fresh water	Aquatic plants - Lemna minor Daphnia - Daphnia pulex Fish - Gambusia holbrooki - Adult	96 hours 21 days 8 weeks

Conclusion/Summary

: May be harmful to the environment if released in large quantities. Excessive nutrient runoff to a body of water may result in eutrophication.

Persistence and degradability Not available. Bioaccumulative potential Not available. Mobility in soil Soil/water partition : Not available. 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

			-			
	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	ΙΑΤΑ
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	-	Classification per the current revision, Transportation of Dangerous Goods Regulation, Part 2, Sec 2.3.	-	-	-	-

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

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	: Not listed	
Clean Air Act Section 602 Class II Substances	: Not listed	
DEA List I Chemicals (Precursor Chemicals)	: Not listed	
DEA List II Chemicals (Essential Chemicals)	: Not listed	
SARA 304 RQ	: Not applicable.	
<u>SARA 311/312</u>		
Classification	: Delayed (chronic) health hazard.	
Composition/information of	<u>ingredients</u>	

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Section 15. Regulatory information

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Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard.
Manganese oxide	1	No.	No.	No.	No.	Yes.

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	Ammonium dihydrogen orthophosphate	7722-76-1	10 - 18 3 - 6 1 - 2
Supplier notification		7722-76-1	10 - 18 3 - 6 1 - 2

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: Ammonium sulfate
New York	: None of the components are listed.
New Jersey	: The following components are listed: Manganese compounds, n.o.s.
Pennsylvania	 The following components are listed: Sulfuric acid diammonium salt; Manganese Compounds

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.
E	Not determined

Europe

: Not determined.

Section 16. Other information

<u>History</u>	
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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

Section 16. Other information

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