American Plant Food Corp
903 MAYO SHELL ROAD / PO Box 584
GALENA PARK, TEXAS 77547
PHONE NUMBER 800-634-2861

Safety Data Sheet
Multi-Pel 15-15-15/9S

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**URi-Pel 15-15-15/9S**
Chemical Name:	Mixture of Inorganic Salts
Guaranteed Analysis	15% N, 15% P_2O_5, 15% K_2O, 9% S
CAS Registry Number:	Not Applicable
Product Use:	Dry Fertilizer For Soil Application to Improve Plant Growth
Supplier:	**American Plant Food Corp. 903 Mayo Shell Rd, Galena Park, TX 77802** **Telephone: 800-634-2861**
Emergency Phone #s:	**FOR CHEMICAL EMERGENCY** (Spill, Leak, Fire, Exposure or Accident) (800) 424-9300 CHEMTREC **FOR MEDICAL/HANDLING EMERGENCIES** **INFOTRAC USA:** (800) 424-9300 CHEMTREC

2. SIGNAL WORD: WARNING

Irritant

EMERGENCY OVERVIEW (800) 424-9300 CHEMTREC. Not flammable or explosive, but will decompose in extreme heat to produce toxic fumes of oxides of nitrogen ammonia, oxides of phosphorous, and oxides of potassium.

MAY CAUSE EYE, SKIN, AND RESPIRATORY IRRITATION.
- Avoid contact with skin and clothing. Wash after handling.
- Wear appropriate personal protective equipment. (See Section 8 for additional information)

Appearance and odor: Mixture of white, grey and red granules

POTENTIAL HEALTH EFFECTS ***(See Section 11 for additional information)***

Primary Route (s) of Exposure:	Dermal Contact, Eye Contact, Inhalation, Ingestion
Acute Exposure:	
• Inhalation	No known significant effects or critical hazards
• Eye Contact	Irritating to eyes
• Skin Contact	Practically non-toxic in contact with skin. Irritation to skin.
• Ingestion	Practically non-toxic if swallowed.
Carcinogenicity:	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
Chronic Effect/Developmental	Repeated skin exposure can produce local skin destruction or dermatitis. Repeated exposure to the eyes to a low level of dust can produce eye irritation.

Medical Conditions Aggravated: Skin conditions, Eye conditions, Gastrointestinal condition

POTENTIAL ENVIRONMENTAL EFFECTS ***(See Section 12 for additional information)***

This material is a water pollutant. Do Not let spilled or leaking material enter waterways.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients ***(See Section 8 for Exposure Limits)***	**% (w/w)**	**CAS Number**	**Air Threshold Limit Value**
Urea	<1%	57-13-6	15.00mg$CO(NH_2)_2/m^3$
Ammonium Sulfate	42%	7783-20-2	N/D
Di-ammonium Phosphate	33%	7783-28-0	N/D
Triple Super Phosphate	0%	7722-76-1	N/D
Potassium Chloride	25%	7447-40-7	N/D
Potassium Magnesium Sulfate	0%	14977-37-8	10.00 mg/m^3
Polymer Coated Sulfur Coated Urea	0%	7704-34-9	15.00 mg/m^3
Sodium Borate	0%	12280-03-4	10.00mg/m^3
Copper Sulfate	0%	7758-99-8	N/D
Iron Oxysulfate	0%	1309-38-2 (iron oxide) 7720-78-7 (ferrous sulfate)	N/D
Manganese Sulfate	0%	10034-96-5	5.00 mg/m^3
Sodium Molybdate	0%	10102-40-6	5.00mg/m^3
Zinc Sulfate	0%	7733-02-0	N/D

4. FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. Get medical attention.

Eye Contact: Check for and remove any contact lenses. Rinse immediately with plenty of water. Get medical attention.

Skin Contact: Wash with soap and water. Get medical attention if symptoms occur.

Ingestion: Do Not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

5. FIRE FIGHTING MEASURES

Conditions of Flammability: Non Flammable

Flash Point (Method): N/A

Auto-Ignition Temperature: N/A

Extinguishing Media: This product is not flammable or combustible. If involved in a fire, use water fog or spray, dry chemical, foam or carbon dioxide extinguishing agents.

Fire Fighting Procedures: Wear self-contained breathing apparatus, approved by NIOSH. Do not wash material into any streams, waterways, drainage

ditches, or storm sewers, etc. Impound liquids used in firefighting to prevent entry into streams, ditches, sewers, etc.

Fire & Explosion Hazards: Not flammable or explosive.

Hazardous Combustion Products: Oxides of nitrogen, phosphorus and potassium. Ammonia

	Health:	Fire:	Reactivity:	Other:
NFPA Hazard Rating	1	0	0	None
[0 – Minimal	*1 – Slight*	*2 – Moderate*	*3 – High*	*4 – Extreme]*

6. ACCIDENTAL RELEASE MEASURES

Spill/Leak: Safely stop source of spill. Restrict non-essential personnel from area. All personnel involved in spill clean up should avoid skin and eye contact by wearing appropriate personal protective equipment.

Cleanup: Sweep up spilled solid material, being careful not to create dust. Return sweepings to stock or, if contaminated, place into a chemical waste container for disposal according to local, state, and/or federal regulations.

7. HANDLING AND STORAGE

Store in cool, dry, well-ventilated area away from incompatible substances. Protect from physical damage. Avoid generating dust and the release of dust into the workplace. Refrain from eating, drinking, or smoking in work areas.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Applicable Exposure Limits:

Chemical Name	OSHA – PELS (mg / m^3)		ACGIH – TLVs (mg / m^3)		NIOSH – RELS (mg / m^3)	
	TWA	STEL/CEIL (C)	TWA	STEL/CEIL (C)	TWA	STEL/CEIL (C)
Urea	15 Total 5 Respirable	N/D	N/D	N/D	N/D	N/D
Ammonium Sulfate	15 Total 5 Respirable	N/D	N/D	N/D	N/D	N/D
Monoammonium Phosphate	15 Total 5 Respirable	N/D	10 Total 3 Respirable	N/D	N/D	N/D
Potassium Chloride	15 Total 5 Respirable	N/D	N/D	N/D	N/D	N/D
Potassium Magnesium Sulfate	15 Total 5 Respirable	N/D	N/D	N/D	N/D	N/D
Poly Coated Sulfur Coated Urea	15 Total 5 Respirable	N/D	N/D	N/D	10	N/D
Sodium Borate	15 Total/5Resp		10 Total			
Copper Sulfate	1	N/D	1	N/D	1	N/D
Iron Oxysulfate	1	N/D	1	N/D	1	N/D
Manganese Sulfate	5 Total	N/D	2	N/D	1	3

Sodium Molybdate	**5 Total**	**N/D**	**5 Total**	**N/D**	**N/D**	**N/D**
Zinc Sulfate	**15 Total** **5 Respirable**	**N/D**	**2**	**10**	**5**	**15**

Legend:

CEIL:	Ceiling Exposure Limit	PEL:	Permissible Exposure Limit
STEL:	Short Term Exposure Limit	REL:	Recommended Exposure Limit
N/D	Not Determined	TLV:	Threshold Limit Value
ACGIH:	American Conference of Governmental Industrial Hygienists	TWA:	Time-Weighted Average
NIOSH:	National Institute for Occupational Safety and Health	WEEL:	Workplace Environmental Exposure Level
OSHA:	Occupational Safety and Health Administration		

Personal Protective Equipment (PPE)

- Protective Clothing: The hazard potential of this material is low. Where there is large-scale use of this material and significant potential for worker contact, gloves and long sleeved work clothes or disposable coveralls may be necessary. Eye protection should be worn where dust is generated and there is a potential that eye contact may occur.
- Ventilation: Use adequate local or general ventilation where necessary to maintain the concentrations of dust well below the recommended occupational exposure limits for general particulates. Not Otherwise Specified (NOS).
- Respirators: Where dust is generated and cannot be controlled to within acceptable levels by engineering means, use appropriate NIOSH-approved respiratory protection equipment a 42CFR84 Class N, R or P-95 particulate filter cartridge.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance/Odor:	Solid, pale blue powder, odorless
Boiling Point:	N/A
Bulk Density:	57-65 lbs./cubic foot depending on major component
Cloud Point:	N/A
Evaporation Rate (Butyl Acetate=1):	N/A
Melting Point:	N/A
Odor Threshold:	N/A
pH:	5.5-7.5 depending on concentration of major component at 5% concentration
Partition Coefficient (n-octanol/water):	N/A
Pour Point:	N/A
Solubility in water:	85-95% Soluble in Water depending on concentration of major component
Solubility in other solvents:	N/A
Specific Gravity (H_2O = 1) :	N/A
Vapor Density (Air = 1):	N/A
Viscosity:	N/A
Volatiles (% by weight) :	N/A
Other-Decomposition temperature	N/A
Conditions of Flammability:	Non Flammable
Flash Point (Method):	N/A
Upper Flammable Limit (% by volume)	N/A
Lower Flammable Limit (% by volume):	N/A
Auto-Ignition Temperature	N/A
<: less than	>: greater than ≈ : approximately

10. STABILITY AND REACTIVITY

Stability:	This product is stable at ambient temperatures and atmospheric pressures.
Incompatibilities/Conditions to avoid:	Avoid contact with strong alkaline or acid compounds.
Decomposition Products:	Ammonia. Oxides of Nitrogen, Phosphorous, and Potassium.

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA

Ingredient Name	TEST	RESULT	ROUTE	SPECIES
Urea	LD50	8471 mg/kg	ORAL	RAT
Ammonium Sulfate	LD50	3000 mg/kg	ORAL	RAT
Diammonium Phosphate	LD50	2000 mg/kg	Oral	RAT
Monoammonium Phosphate	LD50 LD50	2000 mg/kg 5000 mg/kg	ORAL DERMAL	RAT RAT
Potassium Chloride	LD50 LD50	1500 mg/kg 3750 mg/kg	ORAL ORAL	MOUSE RAT
Sodium Borate	LD50	2550 mg/kg	ORAL	RAT
Copper Sulfate	LD50	300 mg/kg >2000 mg/kg	ORAL DERMAL	RAT RAT
Iron Oxysulfate	LD50	1520 mg/kg	ORAL	MOUSE
Manganese Sulfate				
Sodium Molybdate	LD50	520 mg/kg	ORAL	RAT
Zinc Sulfate	LD50	1710 mg/kg	ORAL	RAT

GENERAL: The form in which this material is sold is considered to be relatively non-toxic.

SKIN/EYE: Direct contact may cause local irritation, but is not expected to cause significant tissue damage.

INHALATION: Acute inhalation may result in irritation, but is not expected to cause significant harmful effects. Symptoms may include discomfort, coughing, sneezing, and shortness of breath.

INGESTION: Ingestion of large doses can irritate the stomach, resulting in abdominal pain, nausea, diarrhea, and vomiting.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available on the mixture. Components within the mixture can be damaging to aquatic organisms.

Environmental Fate: Product is not expected to bio accumulate. Release of components in this mixture to the aquatic environment can cause algae growth which may increase turbidity and displace oxygen resulting in a hazard to fish or other marine organisms. Will disperse with the current. Release to watercourses may cause effects down stream from the point of release. Avoid spills or release to watercourse.

13. DISPOSAL CONSIDERATIONS

Waste & Container Disposal:	Do not wash down drain. Put uncontaminated material back into process if at all possible. Place contaminated material in suitable, labeled containers for disposal. Dispose of waste material consistent with the requirements of waste disposal authorities.

14. TRANSPORT INFORMATION

Shipping Information:	Not regulated for transport
Required Labels:	N/A
Environmentally Hazardous Substances [49 CFR 172.101, Appendix A]:	N/A

15. REGULATORY INFORMATION

Regulatory Lists:		
Ingredients listed on TSCA inventory	Yes	
Hazardous work hazard communication standard	No	
CERCLA Section 103 Hazardous Substances	No	
EPCRA Section 302 Extremely Hazardous Substance	No	
EPCRA Section 311/312 Hazard Categories	No	
EPCRA Section 313 Toxic Release Inventory	No	

16. OTHER INFORMATION

Prepared by:	**American Plant Food Corp. 903 Mayo Shell Rd, Galena Park, TX 77802**
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Date of First Issue:	06/01/2015	**Revision Number:**	N/A
Revision Date:	N/A	**Changes:**	N/A