

MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION:

MANUFACTURER/FORMULATOR:
SEASOURCE, INC.
2460 BLAINE AVENUE
SALT LAKE CITY, UT 84108

PRODUCT NAME: **DR. Q's ROYAL FLUSH**
COMMON NAME: 16-4-8
CHEMICAL TYPE: Organic/Inorganic Fertilizer
Combination
EMERGENCY TELEPHONE NUMBER
CHEMTREC: (800) 424-9300
MANUFACTURER: (801) 581-1222

SECTION 2. COMPOSITION:

This is a homogeneous granular product containing:

	CAS -NUMBER:
Ammonium Phosphate	7722-76-1
Urea	5113-6
Sulfate of Potash	7778-80-5
Ferrous Sulfate	7720-78-7
Iron Sucrate	Unk
Manganese Sucrate	Unk
Zinc Sucrate	Unk
Blood Meal	Unk
Bone Meal	Unk
Kelp	Unk
Calcium Sulfate	Unk

SECTION 3. HAZARDS IDENTIFICATION:

Ingestion: Minimal hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.
Inhalation: Dusty conditions may cause mechanical aggravation to respiratory mucous membranes.
Eye Contact: Dust from this product may cause particulate discomfort to eyes.
Skin Absorption: Not normally absorbed through the skin.
Effects of Overdose: Ingestion of large doses may cause diarrhea, nausea, abdominal cramps or formation of methemoglobinemia. Seek medical attention.

SECTION 4. FIRST AID MEASURES:

Ingestion: If large amount is ingested, give 2-3 glasses of water and induce vomiting. Seek medical attention.
Inhalation: Dusty conditions may cause mechanical aggravation to respiratory mucous membranes.
Eyes: Flush eyes with running water for at least 15 minutes. Seek medical attention if condition persists.
Skin: Wash with soap and water. Seek medical attention if condition persists.
Notes to Physician: Consult standard literature. Treatment based on the sound judgement of the physician and the individual reactions of the patient.

SECTION 5. FIRE FIGHTING MEASURES:

Extinguishing Media: Use media suitable to extinguish source of fire.
Special Fire Fighting Procedures: Product is not combustible.
Unusual Fire and Explosion Hazards: During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH₃, SO_x, PO_x, or CN.

SECTION 6. ACCIDENTAL RELEASE MEASURES:

Environmental Precautions: Keep out of water supplies, lakes, ponds, streams and rivers. This product is a fertilizer and may promote algae growth.

Steps to be taken in case

material is released or spilled: Keep from entering waterways. Sweep up material and place in suitable container for use as a fertilizer or for disposal.

SECTION 7. HANDLING AND STORAGE:

Precautions to be taken in handling and storage: Store in a cool, dry area. Prevent spillage and separate from strong oxidizers. Use normal safety procedures and good personal hygiene. Keep out of the reach of children.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Ventilation Protection: Adequate ventilation.
Respiratory Protection: Approved dust respirator when necessary.
Protective Clothing: Normal clean work clothing.
Eye Protection: In dusty conditions, safety glasses with side shields or goggles may be necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

Boiling Point:	Not applicable	Solubility in Water:	Slowly soluble in soil and water.
Density:	50 lbs / cubic foot	% Volatiles (by volume):	Not applicable.
Flashpoint:	400°F	Vapor Pressure, mm Hg:	Not applicable.
pH:	Not listed.	Reaction with water:	None
Appearance:	Solid, brown granules.	Odor:	Fertilizer salt.
Extinguishing Media:	Water, foam or CO ₂ .		

SECTION 10. STABILITY AND REACTIVITY:

Stability (Normal Conditions): Stable.
Conditions to Avoid: Extremely high temperatures.
Incompatibility (Material to Avoid): Prolonged contact may cause oxidation of unprotected metals.
Hazardous Decomposition Products: During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH₃, SO_x, PO_x, or CN.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Not applicable.

SECTION 11. TOXICOLOGY INFORMATION:

Ingestion: Acute Oral Toxicity
LD₅₀: 511 mg/kg for Urea; 2200 mg/kg for Iron Sulfate.

SECTION 12. ECOLOGICAL INFORMATION:

None listed.

SECTION 13. DISPOSAL CONSIDERATIONS:

Dispose of in accordance with local, state and federal regulations.

SECTION 14. TRANSPORT INFORMATION:

Shipping name:	Not regulated by D.O.T.	C.A.S. Number:	See "Ingredients"
Hazard Class:	None	D.O.T. Number:	None
Reportable Quantity (RQ):	None	Haz Waste No:	None
Labels Required:	None	EPA Regist No:	None
Placard:	None		

SECTION 15. REGULATORY INFORMATION:

Carcinogenicity:
By IARC?: Yes () No (X) by NTP?: Yes () No (X)

This product contains Manganese and Zinc, which are subject to reporting requirements of Section 313 of Title III of the Superfund and Reauthorization Act of 1986 and 40 Part 372.

Always read and follow label directions.

All information, recommendations and suggestions appearing herein concerning our products are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, we make no guarantee, expressed or implied, as to the effects of such use, the results to be obtained, or the safety and toxicity of the product; nor do we assume any liability arising out of use by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.