SDS for Magruder 261215

SECTION 1: IDENTIFICATION	
Brand Name:	Supply Solutions Potash 0-0-60
EPA Registration #:	Exempt
Product Name:	0-0-60 Muriate of Potash
Chemical Description:	Macro and micro nutrient soluble fertilizer
Recommended Uses:	Fertilizer product – See product label for full directions for use.
Restrictions for Use:	See product label for any potential restrictions on use.
Manufactured For:	
Supply Solutions P. O Box 402 St. Paul, OR 97137	
FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)	

SECTION 2: HAZARDS IDENTIFICATION		
EMERGENCY OVERVIEW: Red colored granular fertilizer. May cause mild irritation to the eyes, skin, or throat. Ingestion of a large dose may cause nausea or vomiting.		
POTENTIAL HEALTH EFFECTS: **Eyes and Skin:** Contact with eyes or skin could lead to irritation. **Inhalation:** Inhaling dust may be harmful and lead to breathing trouble. **Ingestion:** Ingestion of a large dose may induce nausea and vomiting. **Preexisting Conditions:** Preexisting respiratory conditions may be aggravated by exposure to dust. **Chronic Health Effects:** Lung Symptoms.		
Carcinogenicity:	NTP: Not listed	IARC: Not listed
SIGNAL WORD: None		
Pictogram: None		
HAZARD STATEMENTS: None		
Percent of product with unknown toxicity: None		
PRECAUTIONARY STATEMENTS:		
Prevention:	Wash hands thoroughly after handling. Avoid unnecessary contact with skin and eyes. Avoid breathing dust. Avoid activities such as eating, drinking or smoking while using this product.	
Response:	**Eyes:** Flush eyes with plenty of water. **Ingestion:** Rinse mouth. Drink Plenty of water. If you feel unwell, call a poison control center or seek medical attention. **Inhalation:** Remove to fresh air. Seek medical attention if breathing trouble develops. **Skin:** Wash with soap and water. Seek medical attention if irritation develops.	
Storage:	See Section 7 for storage information.	
Disposal:	See Section 13 for disposal information.	

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	**% (wt)**	**CAS Reg. #**
Muriate of Potash	95-99%	7447-40-7
*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(i).		
See Section 8 for exposure limits.		

SECTION 4: FIRST AID MEASURES	
Inhalation:	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
Ingestion:	Seek medical attention or call a poison control center for treatment advice. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Eyes:	Flush eyes with plenty of clean water. Lift eyelids to facilitate irrigation. If present, remove contact lenses after several minutes and continue rinsing. Seek medical attention if irritation persists.
Skin:	Remove contaminated clothing and wash before re-using. Rinse skin with water and then wash thoroughly with soap and water. Seek medical attention if irritation persists.

SECTION 5: FIRE FIGHTING MEASURES
Suitable Extinguishing Media: Chemical type foam, Dry Chemical, Carbon dioxide, Dry chemical, Water fog or jet
Unsuitable Extinguishing Media: None
Special Fire Fighting Procedures: Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear.
Unusual Fire and Explosion Hazards: Releases small quantities of chlorine gas at high temperatures.

SECTION 6: ACCIDENTAL RELEASE MEASURES
Personal Precautions: Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.
Environmental Precautions: Keep out of waterways and all bodies of water. Do not contaminate any body of water by direct application, cleaning of equipment or disposal.
Methods for Containment: Contain spill. Sweep up and scoop into suitable container for use or recycle. May be used as a fertilizer using good Agronomic practices.
Methods for Clean-up: Avoid dust formation. Vacuum, scoop or sweep up material and place in a container for disposal. If product is uncontaminated, spilled material may be applied at the rate recommended on the label. Never return spills to original containers for re-use. After removal of spilled product, flush contaminated area thoroughly with water.

SECTION 7: HANDLING AND STORAGE
Handling: Avoid prolonged contact with skin. Use dust mask if material is dusty. Separate from strong oxidizers such as chlorates and nitrites.
Storage: Store in cool, dry area. Keep out of reach of children.
Minimum Storage Temperature: Not applicable
Other Precautions: Consult Federal, state and local laws and regulations pertaining to storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Exposure Guidelines: Follow first aid instructions. Seek medical attention or contact poison control. Prevent product from entering waterways.
Respiratory Protection: If dust concentration exceeds permissible levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for general particulates.
Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.
Protective Gloves: Wear gloves as needed
Eye Protection: Safety glasses with side shield.
Other Protective Clothing or Equipment: Normal clean work clothing. Eyewash fountain in area.
Work/Hygienic Practices: Never eat, drink, nor use tobacco in work areas. Practice good hygiene

Exposure Limits: Unknown

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
Physical State:	Granular solid	**Specific Gravity (H_2O=1):**	2
Vapor Pressure (mm Hg):	Not determined	**Density (lbs/ft^3):**	Not determined
Vapor Density (Air=1):	Not applicable	**Melting Point/Freezing Point:**	773^{oC}
Solubility:	In water	**Boiling Point/Range:**	1500^{o}C
Viscosity:	Not applicable	**pH (1% solution):**	7
Appearance and odor:	Small to fine red granules	**Flash Point:**	Not flammable

SECTION 10: STABILITY AND REACTIVITY
Reactivity: None under normal conditions
Chemical Stability: Product is stable at ambient temperature and pressure, under normal storage and handling conditions.
Possibility of Hazardous Reactions: Will not occur
Conditions to Avoid: Avoid excessive heat, dust generation and moisture.
Incompatible Materials: Strong acids, hot nitric acid
Hazardous Decomposition Products: Chlorine gas

SECTION 11: TOXICOLOGICAL INFORMATION	
ACUTE TOXICITY	
Eye Effects:	Contact with eyes could lead to mild irritation.
Skin Effects:	Contact with skin could lead to mild irritation. Not acutely toxic by dermal exposure
Acute Inhalation Effects:	Inhaling dust may be harmful and lead to breathing trouble.
Acute Oral Effects:	Ingestion of a large dose may induce nausea and vomiting. Not acutely toxic by oral exposure.
Specific Target Organ Toxicity:	None known
CHRONIC TOXICITY	
Chronic Effects:	None known.
Carcinogenicity:	No component is anticipated to have carcinogenic effects.
Mutagenicity:	No component is anticipated to have mutagenic effects.
Teratogenicity:	No component is anticipated to have teratogenic effects.
Reproductive Toxicity:	No component is anticipated to have effects on the reproductive system.
POTENTIAL HEALTH EFFECTS: **Eyes and Skin:** Contact with eyes or skin could lead to irritation. **Inhalation:** Inhaling dust may be harmful and lead to breathing trouble. **Ingestion:** Ingestion of a large dose may induce nausea and vomiting. **Preexisting Conditions:** Preexisting respiratory conditions may be aggravated by exposure to dust. **Chronic Health Effects:** None known.	

SECTION 12: ECOLOGICAL INFORMATION	
ENVIRONMENTAL SUMMARY: Not toxic to aquatic organisms defined by USEPA.	
ECOTOXICITY DATA:	
Fish Acute and Prolonged Toxicity:	(Lepomis macrochirus) (blue gill) – 96 hour - LC50 = 2010 mg/L(ppmKCl)
Aquatic Invertebrate Acute Toxicity:	*Daphnia magna*) - 48 hours - EC_{50} = 337 – 825 mg/L; (*Physa heterostropha*) - 96 hrs - LC_{50} = 940 mg/L.
Aquatic Plant Toxicity:	(Algae): ((Nitzschia linearis)diatom) - 5 days- 120 hour TLm = 1,337 ppm KCl; (Scendesmus subspicatus) 72 hour - EC50 = 2,500 mg/L.

	(Chlorella vulgaris) - 3 – 4 months - NOEC = 600 mg KCl/L, LOEL = 700 mg KCl/L.
Bird Acute and Prolonged Toxicity:	Not determined
Honeybee Toxicity:	Not determined
ENVIRONMENTAL EFFECTS:	
Soil Absorption/Mobility:	Not determined
Persistence and degradability:	Not determined
Bioaccumulative Potential:	Not determined
Other adverse effects:	Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

Waste: Use or recycle. As the product is a fertilizer, use as fertilizer following good agronomic practices or consult local authorities. Dispose of in accordance with applicable Federal, state and local laws and regulations.

Container: Ensure all product has been emptied from the sack/bag. Dispose of emptied container in accordance with applicable Federal, state and local laws and regulations.
RCRA Characteristics: It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

SECTION 14: TRANSPORT INFORMATION

DOT: (Ground)	This product is not regulated by the U.S. Department of Transportation.
IMDG: (Sea)	This product is not regulated by the IMDG.
IATA: (Air)	This product is not regulated by the IATA.
TDG: (Canada)	Not determined.

SECTION 15: REGULATORY INFORMATION

OSHA:	This product is not regulated by OSHA.

SECTION 16: OTHER

Information regarding the contents and levels of metals in this product is available on the Internet at:
http://www.aapfco.org/metals.html

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