SULFATE OF POTASH

Safety Data Sheet accoding to OSHA-GHS (29 CFR part 1910.1200 HCS 2012)

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Sulfate of Potash
Recommended Use:	Consumer end-use fertilizers
Synonyms:	Potassium sulfate
Company:	Southern Agricultural Insecticides, Inc P.O. Box 218 Palmetto, FL 34220 (941) 722-3285 Chemtrec (800) 424-9300 (24 hour transportation spill response)

2 HAZARD IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of §191 0.1200;
Not classified as hazardous

Label elements	None applicable	Hazard Statements	None applicable
Hazard pictograms	None applicable	Precautionary Statement	None applicable
Signal word	None applicable	Other hazards	None

Other Safety Precautions: Not a dangerous substance according to GHS classification criteria.
No known OSHA hazards.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	%
Potassium Sulfate	7778-80-5	50

4. FIRST AID MEASURES

Emergency and First Aid Procedures

Inhalatlon: In case of accident by inhalation: remove casualty to fresh air and keep at rest. Call a Poison Center or doctor/physician if you feel unwell.

Eyes: In case of contact with eyes, rinse immediately with plenty of water. Remove contacts.

I f eye irritation occurs seek medical advice.

Ingestion: If swallowed, do not induce vomiting: Rinse mouth and drink plenty of water.
Seek medical advice immediately and show this container or label if you feel unwell.

5. FIREFIGHTING PROCEDURES

Extinguishing Media:	Use media suitable to extinguish surrounding fire.
Fire Fightir'fg Methods and Protection:	Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Fire and/orExplosion Hazards:	N/A
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Provide adequate ventilation. Wear personal protection equipment

Environmental precautions: Do not allow to enter into surface water or drains. Ensure waste is collected and contained.

Methods for containment and cleaning up: Take up mechanically, placing in appropriate containers for disposal or recovery.Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum.

7. HANDLING AND STORAGE

Handling: Keep container tightly closed in a cool, well-ventilated place. Avoid creating and inhaling dust. Avoid creating and inhaling spray or mist.

Storage: Keep container tightly closed in a cool, well-ventilated place.

8. EXPOSLURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH		OSHA PEL	
Potassium Sulfate	(TWA)	(STEL)	(TWA)	(STEL)
	N/A	N/A	N/A	N/A

Control Parameters:

Engineering Measures:

No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

Personal Protective Equipment (PPE):

Lab coat, apron, eye wash, safety shower.

Respiratory Protection:

No respiratory protection required under normal conditions of use.

Eye Protection:

Wear chemical splash goggles when handling this product. Have an eye wash station available.

Skin Protection:

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves:

No information available

9. PHYSICAL DATA

Molecular Weight:	174.27
Appearance:	Solid granula or crystalline
Colour:	White (crhstalline), tan (granular)
Odor:	Odourless
Odor Threshold:	Not applicable
pH:	4.5-8.5 (5% aqueous solution)
Melting Point/freezing point:	1067^0C/1953^0F at 1013 hPa
Flash Point:	Not applicable
Flammability:	Not applicable
Explosion limits (LEL, UEL)	Not applicable
Vapor Pressure:	Not applicable
Evaporation Rate (BuAc=1):	Not applicable
Vapor Density (Air=1):	No data available
Specific Gravity:	2.66
Solubility in Water:	Soluble
Log Pow (calculated):	No data available
Autoignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available
Oxidizing properties:	Not oxidizing

10. STABILITY AND REACTIVITY

Reactivity:	No hazardous reaction when handled and stored according to directions
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Hazardous Polymerization:	Will not occur

11. TOXICITY DATA

Routes of Entry:	Inhalation, ingestion, eye or skin contact.
Symptoms (Acute):	Respiratory disorders
Delayed Effects:	No data available

Acute Toxicity:

	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
Potassium Sulfate	7778-80-5	Oral L050 GUINEA PIG 6600 mg/kg Oral L050 Rat 6600 mg/kg Oral L050 Mouse 6600 mg/kg	Not determined	Not determined

Carcinogenicity:

Chemical Name	CAS Number	IARC	NTP	OSHA
Potassium Sulfate	7778-80-5	Not listed	Not listed	Not listed

Chronic Effects:

Mutagenicity: No evidence of a mutagenic effect.
Teratogenicity: No evidence of a teratogenic effect (birth defect).
Sensitization: No evidence of a sensitization effect.
Reproductive: No evidence of negative reproductive effects
Target Organ Effects:
Acute: See Section 2
Chronic: No data available

12. ECOLOGICAL DATA

Overview: This material is not expected to be harmful to the ecology.
Mobility: Based on the high water solubililty and the ionic nature, potassium sulphate is not expected to adsorb, however, due to ion exchange process, sulfates can be retained in soil, both by incorporation into organic matter and adsorbed to soil particles such as hydrous iron and aluminum sesquioxides.
Persistence and Degradability: In aqueous solution, potassium sulphate is completely dissociated into the potassium ion (K^+) and the sulfate anion (SO_4^{2}). Hydrolysis of potassium sulfate does not occur.
Bioaccumulation: Potassium sulfate completely dissociate in water forming potassium ions and sulfate anions. Potassium sulfate has a low potential for bioaccumulation based on physicochemical properties.

Other Adverse Effects: No data

Potassium Sulfate	CAS Number	Eco Toxicity
	7778-80-5	96 HR LC50 LEPOMIS MACROCHIRUS 653 MG/L 96 HR LC50 LEPOMIS MACROCHIRUS 3550 MG/L [STATIC] 48 HR EC50 DAPHNIA MAGNA 890 MG/L 72 HR EC50 DESMODESMUS SUBSPICATUS 2900 MG/L

13. DISPOSAL INFORMATION

Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance. Potassium sulfate is not listed as a dangerous waste in Resource Conservation and Recovery Act (RCRA) 40 CFR 261

14. TRANSPORTATION INFORMATION

Ground - DOT Proper Shipping Name:	Air -IATA Proper Shipping Name:
N/A	Not regulated for air transport by IATA.

15. REGULATOORY INFORMATION

TSCA Status: All components in this product are on the TSCA Inventory.

CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
7778-80-5	No	No	No	No	No

16. ADDITIONAL INFORMATION

The information provided here represents a compilation of data drawn directly from various sources. Southern Agricultural Insecticides, Inc. makes no representation or guarantee as to the suitability of this information and assume no liability.