



**POTASSIUM SULFATE (K₂SO₄)
PRODUCT MATERIAL SAFETY DATA SHEET (MSDS)**

REVISION HISTORY

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N/A	27 July 2011	None (Initial revision)
QCD-DS-002-001	16 December 2011	Merged document divided into individual product data sheets.
QCD-DS-002-002	6 June 2016	Format revision; environmental toxicity content.

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1 DISCLAIMER

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2 POTASSIUM SULFATE (K₂SO₄)

2.1 PRODUCT AND COMPANY IDENTIFICATION

Chemical Name Potassium Sulfate

Trade Name Sulfate of Potash

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Km 32 McArthur Highway, Guiguinto, Bulacan 3015

Telephone: 63-44-7940444-45

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2.2 HAZARDS IDENTIFICATION

2.2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification (GHS): Not classified

Label Elements: No GHS labeling applicable

2.2.2 POTENTIAL HEALTH EFFECTS:

Ingestion May be harmful if swallowed

Inhalation May be harmful if inhaled

Skin Contact May cause skin irritation.

Eye Contact May cause eye irritation.

Chronic Exposure: Not expected to be a health hazard
No adverse health effects expected.

2.3 COMPOSITION / INGREDIENTS

Potassium Sulfate, %	90-100%
Chemical Formula	K ₂ SO ₄
Molecular Weight	174.26
CAS Registry No:	7778-80-5

2.4 FIRST AID MEASURES

- Skin Flush skin with soap and water for at least 15 minutes
- Eyes Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids
- Inhalation Remove to fresh air.
- Ingestion Never give anything by mouth to an unconscious person. Get medical aid. DO NOT induce vomiting. Allow the victim to rinse his mouth and then to drink water.

SEEK MEDICAL ATTENTION IMMEDIATELY

2.5 FIRE FIGHTING MEASURES

- | | |
|---------------------------------------|---|
| Auto-ignition Point | Not Applicable |
| Flash Point | Not Applicable |
| Flammability / Explosive limits: | Not Applicable |
| Fire / Explosion Hazards: | Not a fire or explosion hazard |
| Fire Prevention / Extinguishing Media | Use any means suitable for extinguishing surrounding fire |

2.6 ACCIDENTAL RELEASE MEASURES

Ventilate area of spill or leak. Wear appropriate personal protective equipment as specified in Section 5.8.

Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

2.7 HANDLING AND STORAGE

Storage Requirements: Store in a cool dry place.

Handling: Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Always wash hands after handling the product

2.8 EXPOSURE CONTROLS AND PROTECTION

Airborne Exposure Limits Not established.

- Ventilation: In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.
- Protective Equipment for the Eyes and Skin: Wear appropriate protective eyeglasses or chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in the work area.
- Wear appropriate protective gloves and clothing to prevent skin exposure.

6 June 2016

Respiratory Protection Requirements: For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator may be worn.

2.9 PHYSICAL AND CHEMICAL PROPERTIES

State Solid

Appearance White powder or crystalline solid

Odor Odorless

Boiling Point 1689C

Melting Point 1067C

Vapor Density Not available

Vapor Pressure No information found

Solubility In Water: Soluble

2.10 STABILITY AND REACTIVITY

Stability Stable under ordinary conditions of use and storage.

Hazardous decomposition product Oxides of sulfur and potassium

Incompatibles: Aluminum and magnesium

Conditions to avoid: Incompatibles.

2.11 TOXICOLOGICAL INFORMATION

LD50 Oral Rat: 6600mg/kg

Reproductive Effects No Data Available

Neurotoxicity No Data Available

Epidemiology No Data Available

2.12 ECOLOGICAL INFORMATION

Environmental Fate: Potassium Sulfate has no biological oxygen demand, and it will not cause oxygen depletion in aquatic systems. It has a low potential to affect aquatic organisms.

Environmental Toxicity: Not classified as dangerous to the ozone layer.

2.13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with all Government and Local regulations.

Can be considered as non-hazardous waste

2.14 TRANSPORT INFORMATION

Not regulated.

2.15 REGULATORY INFORMATION

No data available.

2.16 OTHER INFORMATION

NFPA Ratings: Health: 1 Flammability: 0 Reactivity: 0

Label Hazard Warning:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes, and clothing.

Label Precautions: None