

# MATERIAL SAFETY DATA SHEET

MANUFACTURER: ORGANIC FERTILIZER MANUFACTURERS BOTSWANA



## Potassium Chloride (KCl)

SOP No: KCL10012018

REVISION No: 001

EFFECTIVE DATE

10/1/2018

### Contact Details

Supplier's Name:	Organic Fertilizer Manufacturers Botswana
Address:	P.O. Box AD702 ADD Kgale Gaborone
Emergency Telephone:	(267) 76065264
Information Telephone:	(267) 76065264
Date prepared:	10/1/2018

### SECTION: 1 CHEMICAL IDENTIFICATION

Product:	Muriate of Potash (MOP)
Active Ingredients:	97% KCl
Chemical Class:	Fertilizer

### SECTION: 2 INGREDIENTS / IDENTITY INFORMATION

Hazardous Ingredients:	Hazardous in case of contact with skin and eyes, inhalation and/ or ingestion
Components:	A stable substance, ca. 97% KCl, Potassium as K >50%

### SECTION: 3 PHYSICAL / CHEMICAL CHARACTERISTICS

Physical State:	Dry Granules
Melting Point:	772°C
Vapour Pressure:	N/A
Specific Gravity:	N/A
Percent Volatile:	N/A
Evaporation Rate:	N/A
Solubility in Water:	Appreciable
Appearance and Odour:	Reddish or off-white granules, no odour

N/A = Not Applicable

N/D = Not Determined

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### SECTION: 4 FIRE AND EXPLOSION HAZARD DATA

Flash Point:	N/A
Flammable Limits:	Not Flammable
Extinguishing Media:	Carbon Dioxide, Dry Chemical, Water
Special Fire Fighting Procedures:	Use extinguishing media appropriate for surrounding fire, use self-contained breathing units

### SECTION: 5 REACTIVITY DATA

Stability:	Stable under normal conditions
Conditions of Reactivity:	N/A
Incompatibility:	N/A
Hazardous Decomposition Or By-products:	Heating may release chlorine gas

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## SECTION: 6 HEALTH HAZARD DATA

Routes of exposure:	Eye, skin, inhalation, ingestion
Eyes:	May cause irritation
Skin:	May cause dryness or irritation
Inhalation:	Nuisance dust, may cause irritation of nose, throat and respiratory tract
Ingestion:	Swallowing large amounts may cause irritation of the gastrointestinal tract, diarrhoea and circulatory disturbances.
Health hazards	High concentrations of dust (>2 g/m <sup>3</sup> ) may cause perforation of the nasal spectrum. Long term exposure may cause chronic cough or mild bronchitis, but there is no evidence that it causes permanent lung damage.
Carcinogenicity	N/A
Emergency and first Aid:	<b>Eyes:</b> Flush with cool water for 15 minutes. Obtain medical attention if condition persists. Irritating, but does not injure eye tissue. <b>Skin:</b> Skin may become dry from dust. Wash thoroughly with soap after handling. Low order of toxicity. <b>Inhalation:</b> May cause irritation to nasal passages, trachea and respiratory system. Move to fresh air area. <b>Ingestion:</b> Do not induce vomiting. If ingested, seek physician as soon as possible.

## SECTION: 7 PRECAUTIONS FOR SAFE HANDLING AND USE

If material is released or spilled:	Spills may be easily cleaned up by sweeping up as much solid as possible and washing remaining spill with copious amounts of water.
Waste and Disposal Method:	Dispose of in accordance with local, provincial and national regulations.
Precautions to be taken in Handling and Storing:	Store in cool, dry place away from Children, domestic animals, food and feed products.
Other precautions:	Keep away from combustible material.

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### SECTION: 8 CONTROL MEASURES

Respiratory Protection:	Use dust masks
Ventilation:	Normal
Protective Gloves:	Protective gloves (Impervious)
Eye Protection:	Protective eye-ware necessary if high dust concentration is generated.
Other Protective Clothing Or Equipment:	Full length chemical resistant overalls / apron, dust mask
Work/Hygienic Practices:	Normal

### SECTION: 9 ECOLOGICAL INFORMATION

Users should ensure that they comply with local, provincial and national environment legislation.	
Environmental affects:	Toxic to aquatic organisms in low concentrations

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