

MATERIAL SAFETY DATA SHEET

MANUFACTURER: ORGANIC FERTILIZER MANUFACTURERS BOTSWANA

PRODUCT: **Superphosphate**



Contact Details

Supplier's Name:	Organic Fertilizer Manufacturers Botswana
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Date prepared:	10/1/2018

SECTION: 1 CHEMICAL IDENTIFICATION

Product:	Superphosphate19.6, Superphosphate 10.5, Superphosphate 8.7, Superphosphate 8.3, Double Superphosphate.
Active Ingredients:	A preparation containing 8.3 to 20% P (Mainly as mono calcium phosphate, balance as gypsum)
Chemical Class:	Fertilizer

SECTION: 2 INGREDIENTS / IDENTITY INFORMATION

Hazardous Ingredients:	Hazardous in case of contact with skin and eyes, inhalation and/ or ingestion
Components:	$\text{Ca}(\text{H}_2\text{PO}_4)_2 \cdot 2\text{H}_2\text{O}$

SECTION: 3 PHYSICAL / CHEMICAL CHARACTERISTICS

Physical State:	Dry Granules
Melting Point:	N/A
Vapour Pressure:	N/A
Specific Gravity:	N/A
Percent Volatile:	N/A
Evaporation Rate:	N/A
Solubility in Water:	Soluble in water
Appearance and Odour:	White to light grey granules, no odour

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N/A = Not Applicable

N/D = Not Determined

SECTION: 4 FIRE AND EXPLOSION HAZARD DATA

Flash Point:	N/A
Flammable Limits:	Contact with combustible material may cause fire. Explosive when mixed with combustible material
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

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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 vomiting and cramps
Health hazards:	No known side effects have been associated with repeated or prolonged exposure
Carcinogenicity	N/A
Emergency and first Aid:	Eyes: Flush with cool water for 15 minutes. Obtain medical attention if condition persists. Irritating, but does not injure eye tissue. Skin: Skin may become dry from dust. Wash thoroughly with soap after handling. Low order of toxicity. Inhalation: May cause irritation to nasal passages, trachea and respiratory system. Move to fresh air area. Ingestion: 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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