

MATERIAL SAFETY DATA SHEET

MANUFACTURER: ORGANIC FERTILIZER MANUFACTURERS BOTSWANA



Sulphur		
SOP No: S10012018	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:	Sulphur
Active Ingredients:	97.5% Min Sulphur
Chemical Class:	Fertilizer

SECTION: 2 INGREDIENTS / IDENTITY INFORMATION

Hazardous Ingredients:	Hazardous in case of contact with skin and eyes, inhalation and/ or ingestion
Components:	S ₈

SECTION: 3 PHYSICAL / CHEMICAL CHARACTERISTICS

Physical State:	Dry Granules
Melting Point:	110-119°C
Vapour Pressure:	0mmHG at 137°C
Specific Gravity:	2.07 @ 21°C
Percent Volatile:	N/A
Evaporation Rate:	N/A
Solubility in Water:	Insoluble
Appearance and Odour:	Yellow granules, no odour, or faint odour of rotten eggs

N/A = Not Applicable

N/D = Not Determined

MATERIAL SAFETY DATA SHEET

MANUFACTURER: ORGANIC FERTILIZER MANUFACTURERS BOTSWANA



Sulphur		
SOP No: S10012018	REVISION No: 001	EFFECTIVE DATE 10/1/2018

SECTION: 4 FIRE AND EXPLOSION HAZARD DATA

Flash Point:	207.2°C
Flammable Limits:	LEL: 35g/m ³ UEL: 1400g/m ³
Extinguishing Media:	Carbon Dioxide, Dry Chemical, Water
Special Fire Fighting Procedures:	Use extinguishing media appropriate for surrounding fire, use self-contained breathing units. Fire will rekindle until mass is cooled below 154°C.
Hazardous Combustion Products:	Oxides of Sulphur gasses produced by burning Sulphur
Primary Hazard:	Sulphur dust suspends in air easily, and can cause an explosion in confined areas. May be ignited by friction, static electricity, heat, sparks, or flames. Toxic gases will form upon combustion. Bulk/ solid forms burn only at moderate rate, whereas dust burns with explosive violence.

SECTION: 5 REACTIVITY DATA

Stability:	Stable under normal conditions
Conditions of Reactivity:	Avoid contact with strong oxidizers and / or excessive heat. Do not allow spilled material to contaminate water sources.
Incompatibility:	Contact with strong oxidizers, may react violently. Corrosive to copper and copper alloys. Damp sulphur will corrode steel.

N/A = Not Applicable

N/D = Not Determined

MATERIAL SAFETY DATA SHEET

MANUFACTURER: ORGANIC FERTILIZER MANUFACTURERS BOTSWANA



Sulphur		
SOP No: S10012018	REVISION No: 001	EFFECTIVE DATE 10/1/2018

SECTION: 6 HEALTH HAZARD DATA

<p>Sulphur is essentially non-toxic either through ingestion, inhalation, skin or eye contact. Individuals with known allergies to sulphide drugs may also have allergic reactions to elemental sulphur.</p>	
Routes of exposure:	Eye, skin, inhalation, ingestion
Eyes:	Sulphur dust is an eye irritant. Avoid contact with eyes. For severe irritation, get medical attention
Skin:	May cause irritation, possibly severe
Inhalation:	May cause irritation of nose, throat and respiratory tract, possibly severe in persons with known allergies to sulphide drugs.
Ingestion:	Ingested Sulphur is converted to Sulfides in the gastrointestinal tract, and ingestion of 10 to 20 grams has caused irritation of the GI tract and renal injury. Swallowing large amounts may cause nausea and vomiting.
Health hazards:	No exposure limits have been established.
Carcinogenicity	none
Emergency and first Aid:	Eyes: Flush with cool water for 15 minutes. Obtain medical attention immediately. Skin: Skin may become dry from dust. Wash thoroughly with soap after handling. Obtain medical assistance for irritation, burns or any other symptom. Inhalation: May cause irritation to nasal passages, trachea and respiratory system. Move to fresh air area. Ingestion: Dilute the product immediately with large amounts of water or milk. Induce vomiting. If ingested, seek physician as soon as possible.

MATERIAL SAFETY DATA SHEET

MANUFACTURER: ORGANIC FERTILIZER MANUFACTURERS BOTSWANA



Sulphur		
SOP No: S10012018	REVISION No: 001	EFFECTIVE DATE 10/1/2018

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. Danger of dust explosion near sparks. Wash spill site after clean-up is complete.
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.

SECTION: 8 CONTROL MEASURES

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

MATERIAL SAFETY DATA SHEET

MANUFACTURER: ORGANIC FERTILIZER MANUFACTURERS BOTSWANA



Sulphur		
SOP No: S10012018	REVISION No: 001	EFFECTIVE DATE 10/1/2018

Disclaimer:

The information accumulated in this MSDS is believed to be accurate, whether originating with the company or not, however it is provided without warranty of any kind, express or implied. Supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

The information contained herein is made available solely for consideration, investigation and verification by the original recipients hereof. Users should consider this information only as a supplement to other information gathered by or available to them, Users should make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of these materials for the safety and health of employees, customers and the environment. This hazard information is not a substitute for risk assessment under actual conditions of use. Users have the responsibility to keep currently informed on chemical hazard information to design and update their own programs, and to comply with all applicable laws and regulations regarding safety, occupational health, right to know and environmental protection.