

**MATERIAL SAFETY DATA SHEET
SULPHUR 80% WG**

Section 1: CHEMICAL IDENTITY AND USE

Trade Name: SULPHOZOL WG
Active ingredient: Sulphur
Chemical Classification: Non Metallic Element
Formula: S_x
Chemical Name: Sulphur
CAS No.: 7704-34-9
Molecular weight: 32.1
USE of product: Fungicide and Acaricide.

Section 2: COMPOSITION /INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
1. Sulphur	7704-34-9	80.00
2. Additive & Inerts	----	20.00

Section 3: HEALTH HAZARD INFORMATION

Acute toxic effect : may include nausea, headache, diarrhea upon ingestion of large quantities, or dermal irritation if exposed to skin.
Emergency treatment: If inhaled, remove victim to fresh air. If in eyes, flush with water. If on skin, wash with soap and water. Remove contaminated clothing. See a doctor if irritation persists. If swallowed, induce vomiting by touching back of throat with finger or by giving an ounce of syrup of ipecac with 2 glasses of water. Do not give anything by mouth to an unconscious person.

Section 4: FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Center.
Eyes: Rinse eyes well with water for at least 15 minutes.
Skin: Remove any contaminated clothing, wash skin thoroughly.
Inhalation: Remove from source of contaminated to open space/fresh air, maintain respiration.
Ingestion: Seek medical advice.
Antidote: Treat symptomatically.
Notes to Doctor: SULPHUR 80 WG is a WATER DISPERSIBLE GRANULE

Section 5: FIRE AND EXPLOSION HAZARD

Flash point: Non flammable	Autoignition temperature: No
Explosion sensitivity to Impact: No	Explosive Material: No
Flammable Material: Yes	
Corrosive Material: No	Pyrophoric Material: No
Oxidizer: No	Hazardous polymerization: No
Flammability LEL % V: Not pertinent	Fire fighting media: Fog, Foam, dry agent
UEL % V: Not pertinent	Special procedure: No
Organic Peroxide: No	

Section 6: ACCIDENTAL RELEASE MEASURES

Spills

Steps to be taken: Evacuate endangered area, cut off area. Take up in dry state without forming dust. If small amount, take up by mechanical means and dispose.

Section 7: HANDLING AND STORAGE PRECAUTION

Store in the closed, original container in a well -ventilated area and as cool as possible. Do not store for long periods in direct sunlight.

Section 8: PERSONAL PROTECTIVE

Eyeswash and washing facilities must be readily available. For decontamination clothes and equipment have soap and water on hand.

Section 9: PHYSICAL AND CHEMICAL INFORMATION

Physical state: Solid
 Appearance: Brown granules
 Odor: Sulphurous odour
 Melting point: 119°C.
 Bulk density: Before compaction: 0.82. After compaction: 0.86.
 Suspensibility: Min.70%
 pH : 6.0-8.0
 Wettability: Max. 60 Sec.
 Persistent foam: max. 20 ml after 1 min.

Section 10: REACTIVITY DATA

Chemical stability: Stable under normal condition.
 Incompatible with other material: None
 Reactivity: None
 Hazardous reaction product: None

Section 11: ECOLOGICAL INFORMATION

Non toxic to bees and fish
 Birds : LC₅₀ for Bobwhite quail : > 5000 ppm
 Daphnia LC₅₀ : >665 mg/L
 Algae EC₅₀ : > 232 mg/L
 Earthworm : LC₅₀ (14 d) > 1600 mg/L

Section 12: TOXICITY INFORMATION

Acute toxicity
 Oral LD₅₀ : > 5000 mg/kg (rat)
 Dermal LD₅₀ : > 2000 mg/kg (rat)
 Inhalation LC₅₀ : > 2.63 mg/l (rat) (max. attainable concentration)
 Eye contact : Slight irritant (rabbit)
 Skin contact : Slight irritant (rabbit)
 Skin sensitization : Not a sensitizer.
 Mutagenic potential : Non mutagenic.
 Reproductive hazard potential : No reproduction hazard.
 Chronic /subchronic toxicity studies: No risk of chronic toxicity.
 Carcinogenic potential : Non carcinogenic.

Section 13: DIPOSAL CONSIDERATION

Waste Disposal method: Local regulations should be adhered to. Incineration in controlled furnace. Destroy the empty containers in a safe and authorized place. If burnt avoid inhalation of smoke (if burning permitted). Never re-use empty packs.

Section 14: TRANSPORT INFORMATION

IATA: Not regulated
ADR: Not regulated
IMDG: Not regulated

Granulated sulphur is not subject to the requirement of ADR, RID, IMO, IMDG Code, IATA according to special provision 242 of UN Recommendation on the Transport of Dangerous Goods: Sulphur is not subject of ADR, RID, IMO, IMDG Code, IATA when it has been formed to a specific shape (such as prills, granules, pellets, pastilles or flakes)

Section 15: REGULATORY INFORMATION

Safety phrases:

S1: Keep locked up; S2: Keep out of the reach of children; S9: Keep container in a well-ventilated place; S13: Keep away from food, drink and animal foodstuffs; S15: Keep away from heat; S20: When using, do not eat or drink; S21: When using do not smoke; S23: Do not breathe the spray; S24: Avoid contact with skin; S25: Avoid contact with eyes S26: In case of contact with eyes, rinse immediately with plenty of water seek medical advice; S28: After contact with skin, wash immediately with plenty of water; S36: Wear suitable protective clothing; S39: Wear eye/face protection; S41: In case of fire and/or explosion do not breathe fumes; S46: If swallowed, seek medical advice immediately and show this container or label.

Section 16: OTHER INFORMATION

DISCLAIMER:

Information contained in this material safety data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the User/Distributor to ensure that the information contained in the material safety data sheet is relevant to the product manufactured/handled or sold by him as the case may be, *Sumil Chemical Industries Pvt. Ltd.* makes no warranties, expressed or implied, in respect of the adequacy of this document for any particular purpose.