



Sulphur mills limited



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MSDS NO.: S218004
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MATERIAL SAFETY DATA SHEET

Section 1: CHEMICAL IDENTITY AND USE	
Product Name: COSAVET DF	Active ingredient: Sulphur
Chemical Classification: Non Metallic Element	Formula: S _x
Chemical Name: Sulphur	CAS No.: 7704-34-9
USE of product: Fungicide and Acaricide	Molecular weight: 32.1

Section 2: COMPOSITION /INFORMATION ON INGREDIENTS					
Ingredients	CAS No.	%	EU number	PEL/TLV	EU class
1. Sulphur	7704-34-9	80.00	DNA	DNA	DNA
2. Additive & Inerts		20.00			

Section 3: HEALTH HAZARD INFORMATION			
Acute Health effects			
Acute exposure effect 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.			
STEL (ACGIH)	DNA	IDLH	DNA
NFPA Hazard signals: Health = 1		Fire= 1	Reactivity= 0

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.

Section 5: FIRE AND EXPLOSION HAZARD	
Flash point: 208 °C	Autoignition temperature: No
Explosion sensitivity to static Electricity: Yes	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	



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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: WASTE DISPOSAL CONSIDERATIONS

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 8: 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 9: PERSONAL PROTECTIVE

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

Section 10: PHYSICAL AND CHEMICAL INFORMATION

Physical state: Solid	Appearance: Brown coloured fine granules
Odor: Sulphurous odour	Suspensibility: Min. 80.0%
Wet sieve test: Max. 0.05 % on 75 μ m test sieve	
Persistent foam: Max. 10.0 mL	
Wettability: Max. 20.0 sec.	

(All data on the basis of Sulphur Technical)

Section 11: REACTIVITY DATA

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



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Section 12: TOXICITY INFORMATION

Acute toxicity	
Oral LD ₅₀ :	> 5000 mg/kg (rat)
Dermal LD ₅₀ :	> 2000 mg/kg (rat)
Inhalation LC ₅₀ :	> 2.6 ± 0.35 mg/l (rat)
Eye contact:	Slight irritant (rabbits)
Skin contact:	Slight irritant (rabbits)
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
Target organs:	Eyes, skin , respiratory system

Section 13: ECOLOGICAL INFORMATION

Non toxic to bees and fish
Birds: LC₅₀ for Bobwhite quail: >5000 ppm
Daphnia LC₅₀: >665 mg/L

Section 14: TRANSPORT INFORMATION

Type of chemical: Sulphur- Non metallic form.
State of chemical: Solid
UN Number: Not Applicable
IMDG code-page No.: Not Applicable.
IMCO CLASS: Not Applicable
(Sulphur is non-hazardous)

Section 15: PACKING INFORMATION

Packed in 1, 5 kg cartons.

Section 16: 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, *Sulphur Mills Limited* makes no warranties, expressed or implied, in respect of the adequacy of this document for any particular purpose.