



Sulphur mills limited



604/605, 349 - Business Point, Western Express Highway, Andheri (East), Mumbai - 400 069. INDIA
Tel.: +91-22-66910011 • Fax : +91-22-66910308 / 26823716 • E-mail : sml@sulphurmills.com • Website : www.sulphurmills.com

MSDS NO.: S218004 ISSUE DATE: 07/02/07 Updated on: 20/01/08

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 ⁰ 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





Sulphur mills limited



604/605, 349 - Business Point, Western Express Highway, Andheri (East), Mumbai - 400 069. INDIA Tel.: +91-22-66910011 • Fax : +91-22-66910308 / 26823716 • E-mail : sml@sulphurmills.com • Website : www.sulphurmills.com

> MSDS NO.: S218004 ISSUE DATE: 07/02/07 Updated on: 20/01/08

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 mechnical 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

Eyeswash 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 µm 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





Sulphur mills limited



604/605, 349 - Business Point, Western Express Highway, Andheri (East), Mumbai - 400 069. INDIA
Tel.: +91-22-66910011 • Fax : +91-22-66910308 / 26823716 • E-mail : sml@sulphurmills.com • Website : www.sulphurmills.com

MSDS NO.: S218004 ISSUE DATE: 07/02/07 Updated on: 20/01/08

Section 12: TOXICITY INFORMATION

Acute toxicity

Oral LD₅₀: Dermal LD₅₀:

Inhalation LC₅₀:

Eye contact: Skin contact:

Skin sensitization: Mutagenic potential:

Chronic/subchronic toxicity studies: Carcinogenic potential:

Reproductive hazard potential:

Target organs:

> 5000 mg/kg (rat) > 2000 mg/kg (rat)

> 2.6 ± 0.35 mg/l (rat) Slight irritant (rabbits)

Slight irritant (rabbits) Not a sensitizer

No reproduction hazard No risk of chronic toxicity

Non carcinogenic

Non mutagenic

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.