



Sulphur mills limited



604/605, 349 - Business Point, 6th floor, Western Express Highway, Andheri (East), Mumbai - 400 069. INDIA
Tel.: +91-22-56910011 (8Lines) • Fax : +91-22-56910308 • E-mail : sml@sulphurmills.com • Website : www.sulphurmills.com

Updated on: 26/11/2014

MATERIAL SAFETY DATA SHEET

PRODUCT: SULPHUR 80 %WG

Section 1: CHEMICAL IDENTITY AND USE

Trade Name: COSAVET DF EDGE
Product Name: Sulphur 80 %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

Manufacturer/Supplier:
Sulphur Mills Limited
604/605, 6th Floor, 349-Business Point
Western Express Highway,
Andheri (East), Mumbai - 400 069,
India
Tel.: + 91 22 – 4345 2222
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Section 2: HAZARD IDENTIFICATION

CAUTION

Keep out of Reach of Children

Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation.

Acute Health effects

Early symptoms may be any combination of nausea, vomiting irritation to eye and bronchial tube may occurred if inhaled

Emergency treatment: avoid contact with skin, eye or clothing. Avoid breathing spray mist.



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Section 3: COMPOSITION /INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Content (% w/w)
1. Sulphur	7704-34-9	80.00
2. Additive & Inerts	-	20.00
Total		100.00

Section 4: FIRST AID MEASURES

If swallowed: call poison control center or doctor immediately for treatment advice.

Have person sip a glass of water if able to swallow.

Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: move person to fresh air. If person is not breathing then give artificial respiration, preferably by mouth to mouth if possible.

call poison control center or doctor immediately for treatment advice.

If on skin or clothing : Take off contaminated clothing

Rinse skin immediately with plenty of water for 15-20 minutes.

call poison control center or doctor immediately for treatment advice.

If in Eye: Hold eye open and rinse slowly and gently with water for 15-20 minutes.

Remove contact lense, if present after the first 5 minutes then continue rinsing eye.

call poison control center or doctor immediately for treatment advice.

Section 5: FIRE AND EXPLOSION HAZARD

Flash Point : Non Flammable

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards caused by the substance, its products of combustion or resulting gases:

Produces toxic sulfur dioxide gas.

Protective equipment:

Wear suitable protective clothing to avoid contact with skin.

Wear self-contained respiratory protective device.

Additional information Burns with a pale blue flame that may be difficult to see in daylight.

Section 6: ACCIDENTAL RELEASE MEASURES

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting: Pick up mechanically.



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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

Precautions:

Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal

Hygiene measures:

Always wash your hands after handling the product

Do not eat, drink or smoke during use

Separate working clothes from town clothes and launder separately

Storage:

Store in the closed, original container in a well -ventilated area and as cool as possible. away from food and drinks and animal foodstuffs

- out of reach of children

Section 8: PERSONAL AND ENGINEERING PROTECTION

Engineering control:

Engineering measures :

Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment

Personal Protection:

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

Personnel protection:

Applicator and other handlers must wear long –sleeved shirt and long pants, chemical-resistant gloves made by any waterproof material such as polyethylene or polyvinyl chloride, shoes plus socks and protective eyewear.

Keep and wash PPE separately from other laundry as detergent

User safety Recommendation:

User should:

. wash hands before eating, drinking, chewing gum, using tobacco or using toilet.

Remove clothing immediately if pesticide get inside. Then wash thoroughly and put on clean clothing.

.Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing



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Section 9: PHYSICAL AND CHEMICAL INFORMATION

Physical state: Solid
Appearance: Brown coloured granules
Suspensibility: Min. 70.0%
Wet sieve test: Max. 0.05 % on 75 µm test sieve
Persistent foam: Max. 10.0 mL
Wettability: Max. 60.0 sec.
Ignition temperature : 260 °C
Flammability: Non flammable
Corrosivity- Non corrosive
Reactivity with commercial packing material - Does not reacts with commercial packing materials

Section 10: STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided:
Keep away from heat, air and moisture.
Keep away from excess heat
Materials to be avoided: Incompatible with oxidizing materials.
Dangerous reactions Reacts violently with strong oxidants.
Dangerous decomposition products:
On combustion, form toxic and corrosive gases of sulfur oxides, including sulfur dioxide.

Section 11: TOXICITY INFORMATION

Acute toxicity
Oral LD₅₀: > 5000 mg/kg (rat)
Dermal LD₅₀: > 2000 mg/kg (rat)
Inhalation LC₅₀: > 2.6 ± 0.35 mg/l (rat)
Eye contact: non 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 12: ECOLOGICAL INFORMATION

Non toxic to bees and fish : LC50(96hrs) > 100 mg a.i./l (Brachydanio rerio(fish ,freshwater),
Birds: LD₅₀ for Bobwhite quail: >2000 mg/kg (bobwhite quails)
Daphnia LC50(48hrs) : >100mg/l
Worm: observed NOEC, LOEC and LC50 was > 1000 mg/kg test medium on dry weight basis.
Environmental Fate:



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Degradation proceeds primarily by microbial reduction in and on plant. Insoluble in water, no leaching potential into groundwater. When oxidized to sulfate, its contribution as sulfate ions from persticidal sources is negligible in comparison with the natural occurrence of sulfates in soil and water.

Section 13: DISPOSAL CONSIDERATION

Destruction/Disposal : Dispose of in accordance to label instruction with relevant local regulations, contact appropriate disposal authorities for guidance.

CONTAMINATED PACKAGING

Decontamination/cleaning : Clean with water

Destruction/disposal :

Dispose of in accordance with relevant local regulations, Do not re-use empty container

Section 14: TRANSPORT INFORMATION

Complementary information:

Name for transport: SULPHUR MICRO GRANULES (solid)

Danger Identification Number: Not relevant

ADR/RID: Not dangerous

Sulfur is not subject to the requirement s of ADR when present in a particular way (per example, pearls, beads, lentils or granules)

MDG/IMO : Not dangerous

IATA - DGR:

No hazardous substance Sulphur is not subject to these Regulations when it has been given a specific shape, p. eg. globules, granules, pellets, or flakes.

Section 15: REGULATORY INFORMATION

SARA 311/312 Hazard Categories

Acute Health Hazard : No

Chronic Health Hazard : No



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Fire Hazard	:	No
Sudden Release of Pressure Hazard	:	No
Reactive Hazard	:	No

CAUTION

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation.

Safety phrases:

S2 Keep out of the reach of children.

S22 Do not breathe dust

S24 Avoid contact with skin

S25 Avoid contact with eyes

S29 Do not empty into drains

S7/9 Keep container tightly closed and in a well-ventilated place

S20/21 When using do not eat, drink or smoke

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S56 Dispose of this material and its container to hazardous or special waste collection point.

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