



SHANGHAI BOSMAN INDUSTRIAL CO., LTD.

Add: Room1804, No.1611, North Sichuan Road, Hongkou District, Shanghai, P.R. China.

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MATERIAL SAFETY DATA SHEET OF

SULFUR 80% WDG

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product name: Sulfur 80% WDG

Supplier: Shanghai Bosman Industrial Co., Ltd

Street address: No. 1611, North Sichuan Road, Hongkou, Shanghai R.P. China

Tel: + 86 21 63065878

Fax: + 86 21 63065878

2. COMPOSITION/INFORMATION ON INGREDIENTS

Formulation Type: Water disperse granule (WDG)

Active Ingredients: Sulfur

Composition:

INGREDIENT	CAS NO	PROPORTION
Sulfur	7704-34-9	80% min
other	Not available	Up to 100%

Other ingredients determined not to be hazardous

3. HAZARDS IDENTIFICATION

Toxicity class: WHO (a.i) U; EPA (formulation) IV

Main Hazard: May cause skin & eye irritation. Acute toxic effect may include nausea, headache, diarrhoea upon ingestion of large quantities, or dermal irritation if exposed to skin.

Ingestion: Harmful if swallowed.

Inhalation: Irritating to the respiratory system.

Skin contact: May cause irritation to the skin.

Eye contact: Causes mild irritation to eyes.

4. FIRST AID MEASURES

Inhalation: Remove source of contamination to open space / fresh air, maintain respiration.

Skin contact: Remove contaminated clothing, wash skin thoroughly.

Eye contact: Rinse eyes well with water for at least 15 minutes.

Ingestion: Seek medical advice.

Antidote: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Explosion sensitivity to static Electricity: Yes.

Corrosive Material: No.

Oxidizer: No.

Organic Peroxide: No

Auto ignition temperature: No

Explosion sensitivity to Impact: No explosive

Flammable Material: Yes

Hazardous polymerization: No

Fire fighting media: Fog, Foam, dry agent

Special procedure: No

6. ACCIDENT RELEASE MEASURES

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

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

7. HANDLING AND STORAGE

Handling: Wear appropriate personal protective equipment (see Section 8). Avoid contact with eyes. Wash thoroughly after handling the product and change clothes. Do not eat, drink or smoke while handling the product. Keep out of reach of children, uninformed persons and animals. Observe all warnings and precautions listed for the product.

Storage: 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:

If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable personal equipment including approved respiratory protection.

Respirator: An approved full-face respirator suitable for protection from mists of pesticides is required. Limitations of respirator use specified by the approving agency and the manufacturer must be observed. For decontamination clothes and equipment have soap and water on hand.

Clothing: Employee must wear appropriate protective (impervious) clothing and equipment to prevent

skin contact with the substance.

Gloves: Employee must wear appropriate chemical resistant protective gloves to prevent contact with this substance.

Eye protection: Eyewash and washing facilities must be readily available.

Emergency eyewash: Where there is any possibility that an employee's eyes may be exposed to this substance; the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown granule

Physical state: Solid

Odor: Slight odour

pH : NA

S.g./density: NA

Solubility in water: Suspension in water (25°C)

10. STABILITY AND REACTIVITY

Reactivity: None

Storage stability: Stable for up to 2 years when stored in a dry, cool covered warehouse in original, well-labelled containers. Store at low temperature conditions, below 30°C, preferably below 30°C and not for prolonged periods in direct sunlight.

Chemical Stability: Stable under normal conditions. Store in the closed, original bag in a well-ventilated area and as cool as possible. Do not store for long periods in direct sunlight.

Store in a cool, dry, well-ventilated place, away from food, seed and feeds.

Conditions to avoid: Heat, incompatibles, open flames and ignition sources.

Incompatibility: For reasons of phytotoxicity, mixing with oils should be avoided.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute Oral LD₅₀: > 5000mg/kg.

Acute Dermal LD₅₀: > 2000mg/kg.

Inhalation: LC₅₀ (4h) > 5430 mg/m³.

Eye contact: Slight irritant.

Skin contact: Slight irritant.

Skin sensitization: Not a sensitizer.

Mutagenic potential: Non mutagenic.

Reproductive hazard potential: No reproductive hazard.

Chronic / sub chronic toxicity studies: No risk of chronic toxicity.

Carcinogenic potential: Non carcinogenic.

Target organs: Eyes, skin, respiratory system.

12. ECOLOGICAL INFORMATION

Non toxic to bees, fish and wild life.

Daphnia: LC50 (48h, static) : >665 mg/l

Bobwhite quail: LC50 (8d) : >5000 ppm

Worms: LC50 (8d): > 1600 mg/l

Algae: Ankistrodesmus bibrarianus EC50 (14d) : >232mg/l

13. DISPOSAL CONSIDERATION

Pesticide disposal:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container disposal:

Triple rinse(or equivalent). Then offer for recycling or reconditioning, or puncturing and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

14. TRANSPORT INFORMATION

UN Number:NA

Proper shipping name: Not classified as Dangerous Goods

DG Class: Not classified as Dangerous Goods

Packing Group: NA

15. REGULATORY INFORMATION

Symbol: Xn, Xi

Indication of danger: Irritating & Harmful substance.

Risk phrases:

R 22 Harmful if swallowed.

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety phrases:

S 2 Keep out of reach children.



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S 13 Keep away from food, drink and animal feedingstuffs.

S 23 Do not breathe vapour/spray.

S 24/25 Avoid contact with skin and eyes.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S46 if swallowed, seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact the company.

--END OF MSDS--