



MATERIAL SAFETY DATA SHEET

CAPTAN 70% WDG

Date: March 02, 2022

SECTION 1: IDENTIFICATION

Product : Captan 70% WDG
 Other name : N/A
 CAS No. : 133-06-2
 Product use : Fungicide
 Manufacturer : Zhejiang Heben Pesticide & Chemicals Co., Ltd
 Liandun Road, Houjing Village,
 Yanjiang Industrial Area, Wenzhou, Zhejiang, China
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SECTION 2: HAZARD IDENTIFICATION

GHS classification (Classification according to Regulation (EC) No 1272/2008)

Hazard pictograms :

Signal word : Danger
 Hazard statement (s) :
 H331 : Toxic if inhaled
 H400 : Very toxic to aquatic life
 H318 : Cause serious eye damage
 H351 : Suspected of causing cancer
 H317 : May cause an allergic skin reaction



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Components	CAS No.	Content (% , w/w)
Captan	133-06-2	70
SDBS (sodium dodecyl benzene sulfonate)	25155-30-0	6
Sodium lignosulfonate	8064-51-6	4
Diatomaceous earth	61790-53-2	20

SECTION 4: FIRST-AID MEASURES

Skin: Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention.

Eyes: First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

Inhalation: Move affect person to fresh air and keep at rest until recovered. If not breathing, give artificial respiration and get to a doctor.

Ingestion: Do not induce vomiting if the person is conscious. Give glass of water. Get to a doctor.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use dry chemical, CO₂, water spray or foam.

Specific hazards arising from the chemical

May produce toxic fumes of carbon monoxide if burning.

Special protective equipment for firefighters

Should wear full protective clothing and self-contained breathing apparatus. Fight fire from safe distance and protected location. Avoid (reject) fire-fighting water to enter environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions and emergency procedures

In the event of major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including face mask, face shield and gauntlets. All skin areas should be covered. Though launder protective clothing before storage or re-use. Stop leak is safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labeled containers for recycling or salvage.

Environmental precautions

After spills, wash area, preventing runoff from entering drains.



Methods and materials for containment and cleaning up

If there is contamination of crops or waterways, advise emergency services or state department of agriculture.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid direct or prolonged contact with skin and eyes. Do not breathe dust. Do not breathe vapors and mists. Do not ingest. It is recommended that wear full protective clothing including face mask, face shield and gauntlets, all skin areas should be covered, when handling this product.

Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. And take a bath or wash hands completely with soap after use. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Contain no substances with occupational exposure limit values.

Engineering controls

Use local exhaust ventilation.
Safety shower and eye bath.

Individual protection measures

Industrial hygiene: Remove and wash contaminated clothing promptly. Wash thoroughly after handling.

Personal protective equipment

Respiratory protection: approved respirator;

Protective gloves: rubber gloves;

Eye protection: goggles;

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Grey granules;
Odor	:	Odorless
pH value	:	5.0-8.0
Melting point	:	N/A
Density	:	N/A
Solubility	:	Dispersible



Vapour pressure	:	N/A
Partition coefficient:	:	N/A
n-octanol/water		
Auto-ignition temperature	:	N/A
Decomposition temperature	:	N/A
Viscosity	:	N/A

SECTION 10: STABILITY AND REACTIVITY

Reactivity

No reactivity under normal conditions.

Chemical stability

The product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions

This product does not react or polymerize, releasing excess pressure or heat, or creating other hazardous conditions.

Conditions to avoid

Fire, feed, food and beds of water.

Incompatible materials

Alkaline and acidic materials; incompatible with oil sprays, TEPP, and emulsifiable concentrate formulations of parathion;

Hazardous decomposition products

When involves in a fire, maybe release oxides of carbon on combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

The following information is from technical product:

Acute toxicity: Acute oral LD₅₀ for rats 9000mg/kg. Acute percutaneous LD₅₀ for rabbits >4500 mg/kg. Mild irritant to skin (rabbits). Dust may cause respiratory irritation.LC₅₀ for rats 0.668 mg/l (tech).

Reproductive effects: No reproductive toxicity.

Teratogenic effects: Not teratogenic.

Mutagenic effects: No mutagenic potential.

Carcinogenic effects: Suspected to be Carcinogenic

Organ toxicity: No data available.

Sensitisation: No data available.

SECTION 12: ECOLOGICAL INFORMATION

The following information is from technical product:



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Tel: +86-577-88797730/88798888 Fax:+86-577-88797739/88799999
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Toxicity

Effects on birds: The LD50 for bobwhite quail is >5000 mg/kg, mallard ducks and pheasants >5,000mg/kg.

Effects on aquatic organisms: LC50 (96 h) for bluegill sunfish 0.072, harlequin fish 0.3, brook trout 0.034mg/l, moderately toxic to aquatic invertebrates.

Bees: ED50 (oral) 91µg/bee; (contract) 788µg/bee.

Worms: Non-toxic to worm.

SECTION 13: DISPOSAL CONSIDERATIONS

Product: dispose of in compliance with all state and local laws and regulation.

SECTION 14: TRANSPORT INFORMATION

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Captan 70% WDG)

UN No.: 3077

Class: 9

Packaging group: III

SECTION 15: REGULATORY INFORMATION

GHS classification (Classification according to Regulation (EC) No 1272/2008)

Table with 2 columns: Hazard statement (s) and corresponding descriptions. Includes H302, H400, H410, and precautionary statements P264, P270, P273, P301+P310, P391, P403+P233, P405, P501.



SECTION 16: OTHER INFORMATION

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.