

Material Safety Data Sheet

MANCOZEB 80 WP

Section 1: Chemical Product and Company Identification

Product Name	MANCOZEB 80 WP
CAS#	8018-01-7
Company	Cocreate Global Technologies Private Limited (Scimplify)
Registered address	L73, Attic Space, 15th Cross Road, Sector 6, HSR Layout, Bangalore Urban- 560102, Karnataka, India

Section 2: Composition and Information on Ingredients

Chemical name

CAS

%

Active ingredient (Mancozeb)

8018-01-7

80

Inert ingredients

20

Section 3: Hazards Identification

Eye Contact:

May cause slight eye irritation.

Skin Contact:

Prolonged contact may cause slight skin irritation.

Inhalation:

Prolonged excessive exposure to dust may cause irritation of the upper respiratory tract.

Ingestion:

Very low toxicity if swallowed.

Effects of long term Exposure:

May cause effect on Thyroid function at high doses.

Cancer Information:

Considered to show weak carcinogenic activity.

Birth Defects/Developmental Effects:

Toxic to the fetus in laboratory animals at maternally toxic doses.

Aquatic organisms :

Very toxic to fish and /or other aquatic organisms

Section 4: First Aid Measures

Most Important symptoms and effects, both acute and delayed

Skin contact

There may be mild irritation at the site of contact

Eye contact

There may be irritation and redness. The vision may become blurred

Ingestion

There may be soreness and redness of the mouth and throat

Description of first aid measures

In general

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

After Ingestion

Do not induce vomiting, Provided the patient is conscious, wash mouth with water and give plenty of water to drink. Consult a physician. The decision whether to induce vomiting or not should be made by a physician.

After eye contact

Flush eyes thoroughly with water for several minutes. Remove contact lenses after initial 1-2 minutes and continue flushing for several additional minutes.

If effects occur, consult a physician, preferably an ophthalmologist.

Section 5: Fire and Explosion Data

Extinguishing media:

Water spray. Carbon dioxide. Dry chemical powder.

Exposure hazards:

May form flammable / explosive dust-air mixture. In combustion emits toxic fumes of sulphur Oxides, nitrogen oxides, carbon dioxide / carbon monoxide.

Protection of fire-fighters:

Wear self-contained breathing apparatus. Run-off from fire control may be a pollution hazard. If area is not too heavily exposed to fire, and if conditions permit, let fire burn itself out, since water may increase the contamination hazard.

Section 6: Accidental Release Measures

Personal precautions:

Eliminate all sources of ignition. Do not create dust.

Environmental precautions:

Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures:

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

Do not use equipment in clean-up procedure which may produce sparks.

Section 7: Handling and Storage

Handling requirements:

Ensure there is sufficient ventilation of the area. Smoking is forbidden. Use non-sparking tools.

When handling do not eat, drink or smoke.

Storage conditions:

Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Keep in original containers, out of reach of children

Never allow the product to become wet during storage. This may lead to chemical changes, which will reduce the effectiveness as a fungicide and could create flammable vapours.

Suitable packaging:

Must only be kept in original packaging.

Section 8: Exposure Controls / Personal Protection

Engineering measures:

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Section 9: Physical and Chemical Properties

Respiratory protection:

Wear approved respirator.

Hand protection:

Protective gloves

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection:

Safety goggles.

Skin protection:

Mixers and loaders must wear overalls , protective goggles and chemical-resistant apron.

Applicators and other handlers must wear overalls, goggles and waterproof gloves. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

Section 10: Stability and Reactivity Data

Stability:

Stable under normal conditions.

Conditions to avoid:

Acids and moisture (in storage)

Hazardous decomp. products:

Elevated temperature or free water promotes decomposition, which may cause spontaneous combustion. In combustion emits toxic fumes. In combustion emits toxic fumes of sulphur oxides, carbon dioxide / carbon monoxide, nitrogen oxides.

Section 11: Toxicological Information

Hazardous ingredients:

MANCOZEB

Acute toxicity (Assessment largely or completely based on data for active substance)

Acute Oral LD50 (Rat)

>2000 mg/kg

Acute Dermal LD50 (Rat)

>2000 mg/kg

Acute Inhalation LD50

> 5.14 mg/l

EYE Irritation (Rabbit)

May cause eye irritation.

SKIN Irritation (Rabbit)

Non irritant

Skin Sensitization (Guinea Pig)

sensitizing to Guinea pig skin

Section 12: Ecological Information

Ecotoxicity: (Assessment largely or completely based on data for active substance)

Aquatic toxicity :

Material is very toxic to aquatic organisms.

Fish

LC50 (96 h,)

Rainbow Trout < 1.0,

Bluegill sunfish < 1.0 mg/l

Algae EC50 (120 hr)

Selenastrum capricornutum < 1.0 mg /L

Daphnia EC50 (48 hr)

EC50 < 1.0 mg/L

Bird

Material is practically non-toxic to birds.

Acute Oral, LD50 (10 d)

Mallard ducks > 5500 mg/kg

Acute dietary, LC50 (8 d)

Bobwhite quail and mallard ducks > 5200 mg/kg diet.

Honey Bee

Material is non-toxic to bees.

LD50 (oral)

> 100 µg/bee;

LD50 (contact)

> 100 µg/bee.

Earthworm

LC50 (14 d)

Eisenia foetida > 1000 mg/kg soil.

Section 13: Disposal Considerations

Disposal operations:

Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility.

Disposal of packaging:

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport Information

U.S> Department of Transportation (DOT)

Bulk

UN no:

3077

Shipping name:

Environmentally Hazardous Substance, solid, n.o.s. (Mancozeb)

Hazard Class:

9

Packing group:

III

Land Transport (ADR / RID)

UN no:

3077

Shipping name:

Environmentally Hazardous Substance, solid, n.o.s. (Mancozeb)

Hazard Class:

9

Packing group:

III

Marine Transport (IMDG / IMO)

UN no:

3077

Shipping name:

Environmentally Hazardous Substance, solid, n.o.s. (Mancozeb)

Hazard Class:

9

Packing group:

III

Marine pollutant:

Yes

Ems:

F-A, S-F

Air transport (IATA / ICAO)

UN no:

3077

Shipping name:

Environmentally Hazardous Substance, solid, n.o.s. (Mancozeb)

Hazard Class:

9

Packing group:

III

Cargo Packing instructions:

956

Section 15: Other Regulatory Information

U.S. Regulation :

SARA HAZARD CATEGORY :

This product has been reviewed according to the EPA "Hazard Categories" promulgated under section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered under applicable definitions to meet the following categories :

- An immediate health hazard
- A delayed health hazard

OSHA HAZARD COMMUNICATION STANDARD :

This Product is a "Hazardous Chemical" as defined by the OSHA Hazard Communicated Standard, 29 CFR 1910.1200.

Hazardous Products Act Information : CPR Compliance

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR).

Australian Inventory of Chemical Substances (AICS)

Mancozeb is listed in the Australian Inventory of Chemical Substances (AICS).

This product is classified as a Hazardous Substance under Criteria of Safe Work Australia. Xn: Harmful.

This product is not classified as a Dangerous Good according to the ADG Code.

European Inventory of Existing Commercial Chemical Substances (EINECS)

The components of this product are on the EINECS inventory or are exempt from inventory requirements.

EU Directive 67/548/EEC for classification, packaging and labeling of dangerous substances

Mancozeb is classified as a Harmful and Dangerous for the environment under the Directive 67/548/EEC

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

Section 16: Other Information

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

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Email: info@scimplify.com **Website:** www.scimplify.com



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Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.