



SHREEJI PESTICIDES PVT. LTD  
(A SUBSIDIARY OF WILLOWOOD CHEMICALS PVT. LTD)

## Material safety data sheet CARBENDAZIM 50% WP

### Section 1: Chemical Product and Company Identification

**Product Name:** Carbendazim 50% WP  
**Contact Information:** Shreeji Pesticides Pvt. Ltd.  
69/P, Village – Manjusar – 391775, Tal. Savli, Dist.  
Vadodara, Gujarat  
**Phone** 02667-264701/02/03/04, 264716/17  
**Email** info@shreejipesticides.com  
**Website** www.shreejipesticides.com

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	EC-No.	Classification	Concentration [%]
Carbendazim	10605-21-7	234-232-0	Mut.Cat.2; R46 Repr.Cat.2; R60 - R61 N; R50 -R53	50

For the full text of the R phrases mentioned in this Section, see Section 16.

### 3. HAZARDS IDENTIFICATION

May cause heritable genetic damage.  
May impair fertility.  
May cause harm to the unborn child.  
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 4. FIRST AID MEASURES

**General advice:** Never give anything by mouth to an unconscious person.

**Inhalation:** Move to fresh air.

**Skin contact:** Wash off immediately with soap and plenty of water.

**Eye contact:** Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

**Ingestion:** Drink 1 or 2 glasses of water. Induce vomiting, but only if victim is fully conscious. Consult a physician if necessary.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** water spray, dry powder  
**must not be used for safety reasons:** Extinguishing media which high volume water jet, (contamination risk), Special protective equipment for fire-fighters: Wear self-contained breathing apparatus and protective suit.  
**Further information:** (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers / tanks with spray water.



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### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear personal protective equipment.  
Environmental precautions: Do not flush into surface water or sanitary sewer system. Do not contaminate surface water. Do not allow material to contaminate ground water system.  
Methods for cleaning up: Clean up promptly by scoop or vacuum. Use approved industrial vacuum cleaner for removal. Shovel into suitable container for disposal.

### 7. HANDLING AND STORAGE

**Handling** Advice on safe handling: Provide appropriate exhaust ventilation at places where dust is formed. Wear personal protective equipment.  
Advice on protection against fire and explosion: Keep away from heat and sources of ignition.  
**Storage** Requirements for storage areas and containers: Store in a place accessible by authorized persons only. Keep away from food, drink and animal feedingstuffs. Keep out of reach of children.  
Advice on common storage: No materials to be specially mentioned.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures** Ensure adequate ventilation, especially in confined areas.  
**Personal protective equipment**  
Respiratory protection : Half mask with a particle filter P2 (EN 143).  
Hand protection : Material: nitrile rubber  
Glove thickness: 0,4 - 0,7 mm  
Wearing time: 480 min  
Do not wear cotton or leather gloves., Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.  
Eye protection: safety glasses  
Hygiene measures: Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.  
Protective measures: All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid  
Colour : white  
Odor : none  
pH : no data available  
Flash point : Decomposes without melting.  
Flash point : not applicable  
Thermal decomposition : 310 °C  
Bulk density : ca. 300 kg/m<sup>3</sup>  
Solubility/qualitative : dispersible



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### 10. STABILITY AND REACTIVITY

Hazardous decomposition products: Decomposes by reaction with alkaline solutions., Carbon oxides, nitrogen oxides (NOx)

Hazardous reactions: Dust may form explosive mixture in air. No decomposition if stored and applied as directed.

### 11. TOXICOLOGICAL INFORMATION

Further information: Mutagenic Category 2 Toxic to Reproduction Category 2

### 12. ECOLOGICAL INFORMATION

#### Elimination information (persistence and degradability)

Biodegradability: According to the results of tests of biodegradability this product is not readily biodegradable.

#### Further information on ecology

Additional ecological information: No data is available on the product itself.

### 13. DISPOSAL CONSIDERATIONS

Product: In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate ponds, waterways or ditches with chemical or used container. European Waste Catalogue number: 020108

### 14. TRANSPORT INFORMATION

**ADR**  
Class: 9  
Packaging group: III  
Classification Code: M7  
HI No: 90  
UN-No: 3077  
Labelling No.: 9

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Carbendazim)

**IATA\_C**  
Class: 9  
Packaging group: III  
UN-No: 3077  
Labelling No.: 9MI

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (contains Carbendazim)

**IMDG**  
Class: 9  
Packaging group: III  
UN-No: 3077  
Labelling No.: 9

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (contains Carbendazim)

Marine pollutant: Marine pollutant

### 15. REGULATORY INFORMATION

#### Labelling according to EEC Directive

Symbol(s) : T Toxic  
N Dangerous for the environment

Hazardous components: Carbendazim



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R-phrases(s) :	R46	May cause heritable genetic damage.
	R60	May impair fertility.
	R61	May cause harm to the unborn child.
	R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s) :	S 2	Keep out of reach of children.
	S13	Keep away from food, drink and animal feedingstuffs.
	S20/21	When using, do not eat, drink or smoke.
	S53	Avoid exposure - obtain special instructions before use.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
	S35	This material and its container must be disposed of in a safe way.
	S57	Use appropriate containment to avoid environmental contamination.
Exceptional labelling of special preparations:		To avoid risks to man and the environment, comply with the instructions for use.
Further information :		Restricted to professional users.

### 16. OTHER INFORMATION

#### Text of R phrases mentioned in Section 2

R46	May cause heritable genetic damage.
R50	Very toxic to aquatic organisms.
R53	May cause long-term adverse effects in the aquatic environment.
R60	May impair fertility.
R61	May cause harm to the unborn child.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.