



SHERWOOD CORPORATION (THAILAND)
PUBLIC COMPANY LIMITED

SAFETY DATA SHEET BIZER

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Effective Date: February 24, 2022

Version No. 1.0 Printed Date: February 24, 2022

SECTION 1: IDENTIFICATION

1.1 Product Description

Product Name BIZER

Active Ingredients Difenoconazole 15% + Propiconazole 15% W/V EC

Product Use For preventing and eliminating dirty panicle disease in rice that is caused by fungi Bipolaris oryzae, Cercospora oryzae, Curvularia lunata, Fusarium incarnatum, Sarocladium oryzae and Trichoconis padwickii.

1.2 Manufacturer and Distributors

Sherwood Corporation (Thailand) Public Company Limited

Address 90/1 Moo 9, Wellgrow Industrial Estate, Km.36 Bang Na-Trad Road, Bang Wua, Bang Pakong District, Chachoengsao 24180, Thailand

Contact Tel. (+66) 3852-2302 Fax. (+66) 3852-2311

Website <http://www.sherwood.co.th>

1.3 Emergency telephone number

Emergency Contact Tel. (+66) 9-5957-4010

SECTION 2: HAZARDS IDENTIFICATION

Hazardous. Harmful, Dangerous for the Environmental.

SECTION 3: INFORMATION ON INGREDIENTS

Component (s)	CAS Number	Concentration (%)
Difenoconazole	119446-68-3	15%
Propiconazole	60207-90-1	15%
Other inert Ingredients	-	Balance to 100%

SECTION 4: FIRST AID MEASURES

After inhalation : Remove affected person from the immediate area. If unconscious place in recovery position and seek medical advice. Ensure supply of fresh air.

After skin contact : Wash off immediately with soap and water.

After eye contact : Remove contact lenses, irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice. Eye treatment by an oculist.

After ingestion : Do not induce vomiting. Summon a doctor immediately. Never give anything by mouth to an unconscious person.



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SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media

Water mist; Water spray jet; Carbon dioxide; Dry chemical extinguisher; Foam

Extinguishing media that must not be used for safety reasons

Strong water jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Fire gas of organic material has to be classed invariably as respiratory poison.

Special protective equipment for fire-fighters

Use self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid contact with skin, eyes and clothing. Use personal protective clothing.

Refer to protective measures listed in sections 7 and 8. Keep away sources of ignition.

Environmental precautions : Do not discharge into the drains/surface waters/groundwater.

In case of entry into waterways, soil or drains, inform the responsible authorities.

Methods for cleaning up/taking up : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations

SECTION 7: HANDLING AND STORAGE

Handling

Advice on safe handling : Avoid contact with skin and eyes. Keep container tightly closed. If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn.

Do not eat or drink during work - no smoking.

Advice on protection against fire and explosion : Keep away from sources of ignition – refrain from smoking. Take precautionary measures against static charges.

Storage

Requirements for storage rooms and vessels : Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep only in the original container.

Advice on storage assembly : Do not store together with oxidizing agents

Further information on storage conditions : Keep container tightly closed in a cool, well-ventilated place.



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SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls: if airborne mists or vapors are generated, use local exhaust ventilation controls.

Personal Protection: avoid contact with eyes. If product in eyes, wash it out immediately with water.

When opening the container and preparing spray wear:

- Cotton overalls buttoned to the neck and wrist(or equivalent clothing)
- Elbow-length PVC gloves
- Goggles

After each day's use, wash gloves, goggles and contaminated clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light yellow to amber liquid
Odour:	With aromatic odor
Melting Point :	82.0-83.0 °C(difenoconazole) -23 °C(glass transition temperature)(propiconazole)
Boiling Point :	Not available (difenoconazole) >250 °C (101 kPa) (propinoconazole) Not oxidising
Vapour pressure :	3.3×10^{-5} mPa (25 °C) (difenoconazole) 2.7×10^{-2} mPa (20 °C) (propinoconazole)
Density :	1.08 g/cm ³ @ 20 °C
Solubility :	Miscible in water
pH value :	4.0-8.0 at 1% W/V

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal use and storage.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: Will evolve toxic and irritant vapors.



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SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity

LD₅₀ > 2000 mg/kg

Species rat

Acute dermal toxicity

LD₅₀ > 2000 mg/kg

Species rat

Reference substance CAS 52918-63-5

Acute inhalational toxicity

LC₅₀ > 2.15 mg/L air

Duration of exposure 4 h

Species rat

Eye Irritation

Rabbit: Slightly irritating to eyes.

Skin Irritation

Rabbit: Slightly irritating to skin.

Sensitization

Guinea pig: Not a skin sensitizer.

SECTION 12: ECOLOGICAL INFORMATION (TECHNICAL)

Difenoconazole:

Birds: Practically non-toxic to bird

Acute oral LD₅₀ for bobwhite quail > 2000 mg/kg.

Fish: Moderately toxic to fish

LC₅₀(96h) for common carp 6.6, rainbow trout 3.7 mg/l

Bees: Practically non-toxic to bees.

LD₅₀(contact) > 100µg/bee

Propiconazole:

Birds: Practically non-toxic to bird

Acute oral LD₅₀ for bobwhite quail > 2000 mg/kg.

Fish: Moderately toxic to fish

LC₅₀(96h) for bluegill sunfish 2.2 mg/l



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Bees: Practically non-toxic to bees.

LD₅₀(contact) > 100µg/bee

SECTION 13: DISPOSAL CONSIDERATIONS

Single rinse before disposal. Add rinsing to spray tank. Do not dispose of undiluted chemicals on site. Puncture or shred and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear the waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SECTION 14: TRANSPORT INFORMATION

Class : 9
Packaging group : III
UN number : 3082

SECTION 15: REGULATORY INFORMATION

EPCRA SARA Title III Classification:

Section 311/312 Hazard Classes: Acute Health Hazard

Section 313 Toxic Chemicals: Not applicable

California Proposition 65:

Not applicable

SECTION 16: OTHER INFORMATION

Disclaimer

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 in 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 produces formulations(s) containing this product,



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it is the recipient's sole responsibility to ensure the transfers of all relevant information from this MSDS to their own MSDS.