

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name: Boscalid, WDG 500 g/kg (Bosco)
 Use Catalogue: Fungicide
 Company's Name: ZemlyakoFF Europe Limited Sp. Z o.o.
 Company's Address: Al. Wilanowska 83/52 02-765 Warszawa, Poland.

Section 2. Composition/Information on Ingredients

| Chemical Name: | CAS No. | Content(w/w) |
|-------------------|-------------|--------------|
| Boscalid | 188425-85-6 | 50% |
| Other ingredients | --- | the rest |

Section 3. Hazards Identification

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Section 4. First Aid Measures

If inhaled: Keep patient calm, remove to fresh air, seek medical attention.
 On skin contact: After contact with skin, wash immediately with plenty of water and soap.
 If irritation develops, seek medical attention.
 On eyes: Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
 On ingestion: Rinse mouth immediately and then drink plenty of water, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Note to physician: Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section 5. Fire Fighting Measures

Suitable extinguishing media: water spray, carbon dioxide, foam

Specific hazards: carbon monoxide, nitrogen oxides, sulfur oxides. The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment: Wear self-contained breathing apparatus and chemical-protective clothing.

Further information: In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Section 6. Accidental Release Measures

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

Environmental precautions: Do not allow contamination of public drains or surface or ground waters. Inform local water plc if spillage enters drains and the Environment Agency (England & Wales), the Scottish Environmental Protection Agency (Scotland), or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters. Keep people and animals away.

Methods for cleaning up or taking up:

- For small amounts: Contain with dust binding material and dispose of.
- For large amounts: Sweep/shovel up. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Collect waste in suitable containers, which can be labeled and sealed. Incinerate or take to a special waste disposal site in accordance with local authority regulations.

Section 7. Handling and Storage

- Handling: No special measures necessary if stored and handled correctly.
- Storage: Segregate from foods and animal feeds. Protect against moisture. Keep away from heat. Avoid direct sunlight. Keep in a cool, well-ventilated place. Protect from temperatures above 30 °C. Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

Section 8. Exposure Controls/Personal Protection

- Respiratory protection: Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)
- Hand protection: Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other
- Eye protection: Safety glasses with side-shields (frame goggles) (e.g. EN 166)
- Body protection: Body protection must be chosen depending on activity and possible

exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

Section 9. Physical and Chemical Properties

Form: fine granules
Colour: grey-brown
Odour: faintly aromatic
pH value: 5.0-8.0
Suspensibility: 75% min

Section 10. Stability and Reactivity

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.
Substances to avoid: No data available.
Hazardous reactions: No hazardous reactions if stored and handled as prescribed/indicated.
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Section 11. Toxicological Information

Oral: LD₅₀ >5000 mg/kg (rat)
Dermal: LD₅₀> 2000 mg/kg (rat)
Inhalation: LC₅₀ (4 hours) > 5000 mg/M³ (rat)
Irritation: Non-irritant to skin(rabbit), mildly-irritating to eye (rabbit)
Sensitisation: Study unacceptable as challenge dose was inadequate (guinea pig)

Section 12. Ecological Information

Toxicity to fish: LC₅₀ (96 h) 100 mg/l, *Oncorhynchus mykiss*
Aquatic invertebrates: EC₅₀ (48 h) 50 mg/l, *Daphnia magna*
Aquatic plants: EC₅₀ (72 h) 4.50 mg/l, *Pseudokirchneriella subcapitata*

Section 13. Disposal Considerations

Waste disposal of substance: Pesticide wastes are regulated. Improper disposal of excess pesticide, spray mix or rinsate is a violation of federal law. If pesticide wastes cannot be disposed of according to label instructions or federal, state, and local regulations.

Container disposal: Dispose of in a container consistent with federal, state, and local regulations. Do not reuse container without the permission of ZemlyakoFF Europe Limited Sp. Z o.o.

Section 14. Transport Information

Proper Shipping Name : Environmentally Hazardous Substance, Solid, N.O.S. (contains BOSCALID 50%)

Hazard Class : 9

UN No : 3077

Packing Group : III

Section 15. Regulatory Information

Hazard symbol(s)

N Dangerous for the environment.

R-phrase(s)

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

S-phrase(s)

S2 Keep out of the reach of children.

S13 Keep away from food, drink and animal feeding stuffs.

S20/21 When using do not eat, drink or smoke.

S57 Use appropriate container to avoid environmental contamination.

Section 16. Other Information

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