Maxunitech North America, Inc.

SAFETY DATA SHEET

Issue Date 31-Mar-2025 **Version** #1

1. IDENTIFICATION

Product identifier

Product Name Maxunitech® Boscalid 70% WG

Other means of identification

Synonyms Boscalid: 2-chloro-*N*-(4′-chloro[1,1′-biphenyl]-2-yl)-3-pyridinecarboxamide (CAS name)

Registration Number(s) PCP No. 35329

Recommended use of the chemical and restrictions on use

Recommended Use Fungicide

Uses advised against Use according to label

Supplier's details

Maxunitech North America, Inc.
11601 Shadow Creek Pkwy, Suite 111-573
Pearland, TX
77584, USA
1-855-462-9621

Emergency telephone number

Company Phone Number 1-855-462-9621

Emergency Telephone For spills or transportation accidents, Chemtrec, 1-800-424-9300.

2. HAZARDS IDENTIFICATION

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

Classification of the product

Combustible Dust Combustible Dust(1) Combustible Dust

Label elements

Signal Word:

Warning

Hazard Statement:

May form combustible dust concentration in air.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

Chemical Name	CAS No.	%

Boscalid	188425-85-6	70
Kaolin	1332-58-7	1.0-5.0

4. FIRST AID MEASURES

Description of necessary first aid measures

Eye contact Flush eyes with clean water, holding eyelids apart for a minimum of 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.

Skin contact Immediately remove contaminated clothing and wash skin, hair and fingernails thoroughly with soap and water. Flush skin with plenty of water for 15-20 minutes.

Inhalation Move victim to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

Ingestion If swallowed, Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.

Most important symptoms and effects, both acute and delayed None known.

Indication of immediate medical attention and special treatment needed, if necessary There is no specific antidote if this product is ingested. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Dry chemical, CO_2, water spray or regular foam.

Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.

Special hazards arising from the chemical Hazards during fire-fighting: carbon monoxide, carbon dioxide, Hydrogen chloride, nitrogen oxides, organochloric compounds. The substances/groups of substances mentioned can be released in case of fire.

Hazardous Combustion Products Carbon monoxide, carbon dioxide, Hydrogen chloride, nitrogen oxides, organochloric compounds

Explosion data

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

Protective equipment and precautions for firefighters Firefighters should wear protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Evacuate personnel to safe areas. Do not touch or walk through the spilled material. If it can be safely done, stop the leak. Use personal protective equipment. Never return spills in original containers for re-use. Mark the contaminated area with signs and prevent access to unauthorized personnel. Only qualified personnel equipped with suitable protective equipment may intervene.

Other For further clean-up instructions, call Maxunitech North America, Inc. Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	Never return spills in original containers for re-use. Pick up and transfer the spilled material to a properly labeled container without creating dust. For spills on concrete or other non- porous surfaces, the area can be cleaned using a small quantity of soap and water. Do not allow the cleaning solution to enter drains. Use an inert absorbent material to soak up the cleaning solution and transfer it to the properly labeled container. When the spill occurs on soil, the only effective way to decontaminate the area is to remove the top 5 to 7 centimeters of soil.

7. HANDLING AND STORAGE

Handling	KEEP OUT OF REACH OF CHILDREN. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Avoid breathing vapours or spray mist. Wear full protective clothing and equipment (see Section 8). After work, rinse gloves and remove protective equipment, and wash hands thoroughly with soap and water after handling, and before eating, tobacco use, drinking, applying cosmetics or using the toilet. Wash contaminated clothing before re-use and separate from household laundry. Keep containers closed when not in use. Protect product, wash or rinse water, and contaminated materials from uncontrolled release into the environment, or from access by animals, birds or unauthorized people.
Storage	Store in a place accessible by authorized persons only. Store in original container. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards. The product is stable under normal conditions of warehouse storage. Store in closed, labelled containers. The storage room should be constructed of incombustible material, closed, dry, ventilated and with impermeable floor, without access of unauthorised persons or children. The room should only be used for storage of chemicals. Food, drink, feed and seed should not be present. A hand wash station should be available.
Incompatible products	None known

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	ACGIH TLV	OSHA PEL
Kaolin 1332-58-7	TWA: 2 mg/m^3 Respirable fraction; The value is for particulate matter containing no asbestos and <1% crystalline	PEL 5 mg/m^3 Respirable fraction PEL 15 mg/m^3 Total dust TWA: 5 mg/m^{3}Respirable fraction TWA: 10 mg/m^{3}Total dust

Appropriate engineering controls

Engineering measures	The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation, packaging and use of this product. Consult the product label for commercial applications and/or on- farm applications. Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. Maintain air concentrations below occupational exposure standards.

Where necessary, seek additional occupational hygiene advice.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Where eye contact is likely, wear chemical goggles or a full-face shield. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Skin and Body Protection	Impervious clothing Long sleeved clothing. Footwear protecting against chemicals. Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hand protection	Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber. The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Respiratory protection	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
Hygiene measures	Avoid contact with skin, eyes and clothing. This product should be used only by all personnel thoroughly trained to handle it. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Do not inhale aerosol. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Beige granules
Physical State	Granules
Color	Beige
Odor	Moderate odor, smoky
Odor threshold	Not determined due to potential health hazard by inhalation.
pH	4-7
Melting point/freezing point	No information available
Boiling Point/Range	No information available
Flash point	not Applicable
Flame extension	Not Applicable
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and accordance with the intended use.
Lower flammability limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and accordance with the intended use.
Vapor pressure	No information available
Vapor density	No information available
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity	Not Applicable
Explosive properties	No information available
Oxidizing properties	No information available
Bulk density	Not Applicable

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10. STABILITY AND REACTIVITY

Reactivity	No hazardous reactions if stored and handled as prescribed/indicated.
	Oxidizing properties: not fire-propagating
	Dust explosivity characteristics: Kst: 265 m. bar/s
	Pmax=7.2 BARA
	Dust explosion class: Dust explosion class 2 (Kst-value 200 up to 300 bar m s^{-1}) (St 2)
	Minimum ignition energy: 36 -45 mJ
Chemical stability	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	No decomposition if stored and applied as directed.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Limiting oxygen concentration: 10.5 volume%
	Avoid all sources of ignition: heat, sparks, open flame. This product may form an explosive mixture if:
	1. the dust is suspended in the atmosphere as a dust cloud AND 2. the concentration of the dust is above the lower explosion limit (LEL) AND 3. the limiting oxygen concentration (LOC) is exceeded.
Incompatible materials	Oxidizing agents
Hazardous decomposition products	Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure

The acute toxicity information of the formulated product:

LD_{50} Oral	> 2000 mg/kg (rat)
LD_{50} Dermal	> 2000 mg/kg (rat)
LC_{50} Inhalation	> 5.4 mg/L 4 hr (rat)
Serious eye damage/eye irritation	Slightly irritanting (rabbit)
Skin corrosion/irritation	Not a skin irritant (rabbit)
Sensitization	Not a skin sensitizer (Guinea Pig)

Data presented below are based on the active ingredient.

Information on toxicological effects

Symptoms Repeated inhalative uptake of particles/dust reaching the alveoli may cause damage to the lungs..

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	Boscalid: Not carcinogenic in rats and mice.
	Kaolin: Not carcinogenic in rats

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Reproductive toxicity	Boscalid: Did not show reproductive toxicity effects in animal experiments. Kaolin: Did not show reproductive toxicity effects in animal experiments.
Mutagenicity	Boscalid: No mutagenic effects. Kaolin: No mutagenic effects.
STOT - repeated exposure	Boscalid: Adaptive effects were observed after repeated exposure in animal studies. Kaolin: Repeated inhalative uptake of particles/dust reaching the alveoli may cause damage to the lungs.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish	LC50 for *Cyprinus carpio*: 420 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)):>1000 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	EC50 (*Pseudokirchneriella subcapitata* (green algae)): 150 mg/l Exposure time: 72 h
Toxicity to terrestrial organisms	With high probability not acutely harmful to terrestrial organisms.
Persistence and Degradability	No information available
Bioaccumulation	Remarks: Does not bioaccumulate in organisms.
Mobility	Boscalid: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Disposal should be made in accordance with federal, provincial and local regulations.
Contaminated packaging	Do not reuse container for any purpose. If applicable, return container in accordance with return program. If a recyclable container, dispose of at a container collection site. Contact local distributor, dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site, triple or pressure rinse the empty container adding rinsings to spray tank, and make container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

14. TRANSPORT INFORMATION

UNRTDG	Not classified as a dangerous good under transport regulations
IATA-DGR	Not classified as a dangerous good under transport regulations
IMDG-Code	Not classified as a dangerous good under transport regulations

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15. REGULATORY INFORMATION

Federal Regulations

Registration status:

Chemical	DSL, CA	released, restriction on quantity/not listed
Crop Protection	DSL, CA	released/exempt

Labelling requirements under Pest Control Products Act

Read the label, authorized under the Pest Control Products Act, prior to using or handling the pest control product.

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. The following is the hazard information required on the pest control product label:

POISON.

Skull and crossbones inside inverted triangle

WARNING:

Eye irritant.

KEEP OUT OF REACH OF CHILDREN.

HARMFUL IF SWALLOWED.

Causes eye irritation.

DO NOT get in eyes. Avoid contact with skin and clothing.

Wash exposed areas of skin thoroughly after handling and before eating, drinking or smoking.

There are Canada-specific environmental requirements for handling, use and disposal of this pest control product that are indicated on the label.

16. OTHER INFORMATION

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Disclaimer

The information provided in this Material 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.

End of Safety Data Sheet

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