

Custos 10407 Agricultural/Horticultural Use- Refer to product label plier/Distributor information	Fungici	de- Refer to product label.
D2BIO		
15639 Trollope Court		
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	1-800-	424-9300
		424-9300
International Maritime	+1 (703	3)527-3887
Not classified		
Acute toxicity, oral		Category 4
Skin corrosion/irritation		Category 2
Serious eye damage/eye irritat	ion	Category 2
Sensitization skin		Category 1
Specific target organ toxicity, single ex	kposure	Category 3 respiratory tract irritation
Not classified		
Not classified		
skin reaction. Causes serious ey irritation. Avoid breathing mist or vapor. not eat, drink or smoke when u	ye irrita Wash ti using thi	tion. May cause respiratory horoughly after handling. Do is product. Use only outdoors
	 10407 Agricultural/Horticultural Use-Refer to product label plier/Distributor information D2BIO 15639 Trollope Court Moorpark CA 93021 United States 1-805-209-9220 jm@d2bio.bio EH&S / Regulatory Department CHEMTREC (24 hours): USA, Canada, Puerto Rico Virgin Islands International Maritime Not classified Acute toxicity, oral Skin corrosion/irritation Serious eye damage/eye irritat Sensitization skin Specific target organ toxicity, single exits Not classified Acute toxicity, oral Skin corrosion/irritation Serious eye damage/eye irritat Sensitization skin Specific target organ toxicity, single exits Not classified <li< th=""><th>10407 Agricultural/Horticultural Use- Fungicia Refer to product label plier/Distributor information D2BIO 15639 Trollope Court Moorpark CA 93021 United States 1-805-209-9220 jm@d2bio.bio EH&S / Regulatory Department CHEMTREC (24 hours): USA, Canada, Puerto Rico 1-800- Virgin Islands 1-800- International Maritime +1 (70) Not classified Acute toxicity, oral Skin corrosion/irritation Serious eye damage/eye irritation Sensitization skin Specific target organ toxicity, single exposure Not classified Not classified</th></li<>	10407 Agricultural/Horticultural Use- Fungicia Refer to product label plier/Distributor information D2BIO 15639 Trollope Court Moorpark CA 93021 United States 1-805-209-9220 jm@d2bio.bio EH&S / Regulatory Department CHEMTREC (24 hours): USA, Canada, Puerto Rico 1-800- Virgin Islands 1-800- International Maritime +1 (70) Not classified Acute toxicity, oral Skin corrosion/irritation Serious eye damage/eye irritation Sensitization skin Specific target organ toxicity, single exposure Not classified Not classified

Response	allowed out of the workplace. Wear eye protection/face protection. Wear protective gloves. If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If on skin: Wash with plenty of water. If inhale: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with
	local/regional/national/international regulations.
Hazard(s) not otherwise Classified (HNOC)	None known
Supplemental information	None

3. Composition/information on ingredients

Chemical name	Common name and synonyms	CAS number	%
Garlic Oil		8000-78-0	70 - < 80*
Rosemary Oil		8000-25-7	4
Peppermint Oil		8006-90-4	1
Other components	below reportable levels		20 - < 30

* Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
Most important	Severe eye irritation. Symptoms may include stinging, tearing,
Symptoms/effects, acute and delayed	redness, swelling and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reactions. Dermatisis. Rash.

Indication of immediate Medical attention and special treatment needed General information	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material (s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.
5. Fire-Fighting measures	
Suitable extinguishing media Unsuitable extinguishing Media	Water fog. Foam. Dry chemical powder. Carbon Dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from The chemical	During fire, gases hazardous to health may be formed.
Special protective equipment And precautions for	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
firefighters Fire fighting equipment/instructions Specific methods	Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of
General fire hazards	other involved materials. No unusual fire or explosion hazards noted.
6. Accidental release measures	5
Personal precautions,	Keep unnecessary personnel away. Keep people away from an
Protective equipment and emergency procedures	upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and material for Containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Do not taste or swallow. Avoid breathing mist or vapor. Avoid contact with eyes, skin and clothing. When using, do not eat, drink or smoke.

	equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.
Conditions for safe storage,	Store locked up. Store in original tightly closed container. Store away
Including any	from incompatible materials (see Section 10 of the SDS).
incompatibilities	

8. Exposure controls/personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for ingredient(s)
Appropriate engineering	Good general ventilation (typically 10 air changes per hour) should be
controls	used. Ventilation rates should be matched to conditions. If
	applicable, use process enclosures, local exhaust ventilation, or other
	engineering controls to maintain airborne levels below to an
	acceptable level. Eye wash facilities and emergency shower must be
	available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection	Face shield is recommended. Wear safety glasses with side shields (or goggles)
Skin protection	
Hand protection	Wear appropriate chemical resistant clothing gloves. Suitable gloves can be recommended by the glove supplier.
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapor cartridge.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene	Keep away from food and drink. Always observe good personal
considerations	hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance	Liquid
Physical state	Liquid
Form	Liquid
Color	Brownish yellow
Odor	Characteristic of Allium
Odor threshold	Not available
рН	5 -7 (4% solution)
Melting point/freezing point	Not available
Initial boiling point and	282.2 °F (139°C) estimated
Boiling range	
Flash point	219.2 °F (104°C) estimated

Evaporation rate	Not available	
Flammability (solid, gas)	Not applicable	
Upper/lower flammability or	explosive limits	
Flammability limit – lower %	Not available	
Flammability limit – upper %	6 Not available	
Explosive limit – lower %	Not available	
Explosive limit – upper %	Not available	
Vapor pressure	Not available	
Vapor density	Not available	
Relative density	Not available	
Solubility(ies)		
Solubility (water)	Not available	
Partition coefficient	Not available	
(n-octano/water)		
Auto-ignition temperature	Not available	
Decomposition temperature	Not available	
Viscosity	Not available	
Other information		
Explosive properties	Not explosive	
Flammability class	Combustible IIIB estimated	
Oxidizing properties	Not oxidizing	
Specific gravity	1.03 estimated	
10. Stability and reactivity		
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.	
Chemical stability	Material is stable under normal conditions.	
Dessibility of besendary	No dependence repetion lungur under conditions of normal use	

Chemical stability	Material is stable under normal conditions.
Possibility of hazardous	No dangerous reaction known under conditions of normal use.
Reactions	
Conditions to avoid	Contact with incompatible materials
Incompatible materials	Strong oxidizing agents
Hazardous decomposition	No hazardous decomposition products are known.
Products	

11. Toxicological information

Information on likely routes of exposure

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Inhalation	May cause irritation to the respiratory system
Skin contact	Causes skin irritation. May cause an allergic skin reaction
Eye contact	Causes serious eye irritation
Ingestion	Harmful if swallowed
Symptoms related to the	Severe eye irritation. Symptoms may include stinging, tearing,
Physical, chemical and	redness, swelling, and blurred vision. May cause respiratory irritation.
toxicological	Skin irritation. May cause redness and pain. May cause an allergic
characteristics	skin reaction. Dermatisis. Rash.

Information on toxicological effects

Acute Toxicity	In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Harmful if swallowed. May cause respiratory irritation. May cause an allergic skin reaction.		
Product	Species	Test Results	
D2BIO CUSTOS			
<u>Acute</u>			
Oral			
LD50	Rat	1744 mg/kg estimated	
Components	Species	Test Results	
Garlic Oil (CAS 8000-78-0)			
Rosemary Oil			
Peppermint Oil			
Acute			
Oral			
LD50	Rat	1360 mg/kg	
*Estimates for product may be based on a		wn	
Skin corrosion/irritation	Causes skin irritation		
Serious eye damage/eye	Causes serious eye irrita	ition	
Irritation			
Respiratory or skin sensitization	on		
Respiratory sensitization	Not a respiratory sensiti		
Skin sensitization	May cause an allergic sk		
Germ cell mutagenicity	No data available to indicate product or any components present at		
	greater than 0.1% are m	nutagenic or genotoxic.	
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH,		
	NTP, or OSHA		
IARC Monographs. Ov Not listed	erall Evaluation of Carcin	ogenicity	
OSHA Specifically Reg	ulated Substances (29 CF	R 1910.1001-1050)	
Not regulated			
US. Natioal Toxicology Not listed	Program (NTP) Report o	n Carcinogens	
Reproductive toxicity	This product is not expe effects	cted to cause reproductive or developmental	
Specific target organ	May cause respiratory in	rritation	
Toxicity – single expos			
Specific target organ	Not classified		
Toxicity – repeated ex			
Aspiration hazard	Not an aspiration hazard	b	
12. Ecological information	·		
Ecotoxicity	The product is not classi	ified as environmentally hazardous. However,	
	•	e possibility that large or frequent spill can	
		ging effect on the environment.	
Persistence and degradability		he degradability of this product.	
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Bioaccumulative potential Mobility in soil Other adverse effects 13. Disposal considerations	No data available No data available No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues/unused	Dispose of in accordance with local regulations. Empty containers or
products	liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods

ΙΑΤΑ

Not regulated as dangerous goods

IMDG

Not regulated as dangerous goods

15. Regulatory information

Us federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA
	Hazard Communication standard, 29 CFR 1910.1200
TSCA Section 12 (b) E	xport notification (40 CFR 707, Subpt. D)
Not regulated	
CERCLA hazardous Su	bstance List (40 CFR 302.4)
Not listed	
SARA 304 Emergency	release notification
Not regulated	
OSHA Specifically Re	gulated Substances (29 CFR 1910.1001-1050)
Not regulated	
Superfund Amendments and	Reauthorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard – Yes
	Delayed Hazard – No
	Fire Hazard – No
	Pressure Hazard – No
	Reactivity Hazard – No

SARA 302 Extremely hazardo	us substance
Not listed	
SARA 311/312 Hazardous	No
Chemical	
SARA 313 (TRI reporting)	
Not regulated	
Other federal regulations	
Clean Air Act (CAA) Section 1	12 Hazardous Air Pollutants (HAPs) List
Not regulated	
• •	12(r) Accidental Release Prevention (40 CR 68.130)
Not regulated	
Safe drinking Water Act	Not regulated
(SDWA)	
US state regulations	
Not listed	A department of Justice (California Health and Safety Code Section 11100)
US. Massachusetts RTK – Substa	nco list
Not regulated	
US New Jersey Worker and Com	munity Right-to-Know Act
Not listed	
US Pensylvania Worker and Con	nmunity Right-to-Know Law
Not listed	
US. Rhode Island RTK	
Not regulated	
US California Proposition 65	
California Safe drinking Water	and Toxic Enforcement Act of 1986 (Proposition 65): This
material is not known to contain a	any chemicals currently listed as carcinogens or reproductive
toxins.	
International inventories	
Country(s) or region	Inventory name/ on inventory (yes/no)
Australia	Australian Inventory of Chemical Substances (AICS) / Yes
Canada	Domestic Substances List (DSL) / Yes
Canada	Non-Domestic Substances List (NDSL) / No
China	Inventory of Existing Chemical Substances in China(IECSC)/Yes
Europe	European Inventory of Existing Commercial Chemical
	Substances (EINECS) / No
Europe	European List of Notified Chemical Substances (ELINCS) / No
Japan	Inventory of Existing and New Chemical Substances (ENCS) / No
Korea	Existing Chemical List (ECL) / Yes
New Zealand	New Zealand Inventory / Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS) / Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory / Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A"No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s)

16. Other information, including date of preparation or last revision

Issue date03-01-2019Version01

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of Manufacturer's knowledge, information and belief at the date of its publication; however, it is provided only as a guidance for safe handling, use, processing, storage, transportation, disposal and release of the product. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made with respect to the Product or the information provided herein, or that the Product or information herein may be used without infringing the intellectual property rights or others. The information provided in this Safety Data Sheet relates only to the Specific Product designated and may not be valid if the Product is used in combination with other materials or in any process, unless specified herein. The user assumes all risk and liability for loss, injury, damage or expense due to any use, handling, storage or disposal of the Product, and Manufacturer recommends that the user conducts it owns tests of the Product to determine suitability of the Product for user's particular use. D2BIO cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.