

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

		Product identifier % Classification (GHS-US)			
	Mixture				
OEC	•				
	TION 3: Composition/inform	ation on ingredients			
	ta available				
2.4.					
	ditional information available				
2.3.	Other hazards				
GHS-	US labeling				
2.2.	Label elements				
Not cla	assified				
Class	ification (GHS-US)				
2.1.	Classification of the substance	or mixture			
SEC	TION 2: Hazards identification	on			
Emerç		CHEMTREC - 1 (000) 424-3500 and/of 1 (705) 527-5007			
1.4. Emor	Emergency telephone number	: CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887			
	5) 736-8231 ponide.com				
	any, NY 13424				
	e Products, Inc. Sutliff Road				
1.3.	Details of the supplier of the sa	fety data sheet			
	f the substance/mixture	: Insecticide, Fungicide			
1.2.	2. Relevant identified uses of the substance or mixture and uses advised against				
Produ	ct code	: 67702174			
	ct name	: Bonide Citrus, Fruit & Nut Orchard Spray Concentrate			
	Troductidentiller				
1.1.	Product identifier				

4.1. Description of first aid me	asures			
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).			
First-aid measures after inhalation	: Assure fresh air breathing. Allow the person to rest.			
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.			
First-aid measures after eye contact	 Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. 			
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.			
4.2. Most important symptoms	and effects, both acute and delayed			
Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use.			
4.3. Indication of any immedia	Indication of any immediate medical attention and special treatment needed			
No additional information available				

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0.25

Not classified

H331

Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Inhalation:vapour),

(CAS No) 7704-34-9

(CAS No) 8003-34-7

No additional information available

Sulfur, solid

Pyrethrins

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SECTION 5: Firefighting measures						
5.1. Extinguishing media	3					
Suitable extinguishing media						
Unsuitable extinguishing media	: [Do not use a heavy water stream.				
5.2. Special hazards arising from the substance or mixture						
No additional information available						
5.3. Advice for firefighter						
Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any						
Chemical fire. Avoid (reject) fire-fighting water to enter environment. Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protect						
SECTION 6: Accidental	release measure	26				
		nent and emergency procedures				
6.1.1. For non-emergency	· · · · · · · · · · · · · · · · · · ·					
Emergency procedures	: 6	Evacuate unnecessary personnel.				
6.1.2. For emergency resp	onders					
Protective equipment	: E	Equip cleanup crew with proper protec	ction.			
Emergency procedures	: \	/entilate area.				
6.2. Environmental preca	autions					
Prevent entry to sewers and pul	blic waters. Notify aut	horities if liquid enters sewers or publi	ic waters.			
6.3. Methods and materia	-					
Methods for cleaning up			s clay or diatomaceous earth as soon as possible. Collect			
Methods for oreaning up		spillage. Store away from other materi				
6.4. Reference to other s	ections					
See Heading 8. Exposure control		ection.				
- ·						
SECTION 7: Handling an						
7.1. Precautions for safe	Ŭ	Protect from moisture. Keen container	tightly alread Weak hands and other synapsed areas with			
Precautions for safe handling : Protect from moisture. Keep container tightly closed. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.						
7.2. Conditions for safe s	0, 0					
Storage conditions		Store in original container. Keep container closed when not in use.				
Incompatible products	: 8	Strong bases. strong acids.				
7.3. Specific end use(s)						
No additional information availa	ble					
SECTION 8: Exposure c	ontrols/persona	I protection				
8.1. Control parameters						
Bonide Citrus, Fruit & Nut O	rchard Sprav Conce	ntrate				
DNEL	DNEL		>=			
Pyrethrins (8003-34-7) USA ACGIH	ACGIH TWA (mg/m	3)	5 mg/m ³			
		')	3 mg/m			
Sulfur, solid (7704-34-9)						
USA ACGIH	ACGIH TWA (mg/m	l ³)	3 mg/m ³			
8.2. Exposure controls						
Personal protective equipment : Avoid all unnecessary exposure.						
Hand protection : Wear protective gloves.						
Eye protection : Chemical goggles or safety glasses.						
Respiratory protection : Wear approved mask. Other information : When using, do not eat, drink or smoke.						
Other information : When using, do not eat, drink or smoke.						

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SECTION 11: Toxicological information					
11.1. Information on toxi	cological effects				
Acute toxicity	: Not classified				
Pyrethrins (8003-34-7)					
LD50 oral rat	200 mg/kg (Rat)				
LC50 inhalation rat (mg/l)	3.4 mg/l/4h (Rat)				

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Sulfur, solid (7704-34-9)					
LD50 oral rat	> 5000 mg/kg (Rat)				
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)				
LC50 inhalation rat (mg/l)	> 9.23 mg/l/4h (Rat)				
Skin corrosion/irritation	: Not classified				
	pH: 4.1 - 4.4				
Serious eye damage/irritation	: Not classified				
	pH: 4.1 - 4.4				
Respiratory or skin sensitization	: Not classified				
Germ cell mutagenicity	: Not classified				
Carcinogenicity	: Not classified				
Reproductive toxicity	: Not classified				
Specific target organ toxicity (single exposure)	: Not classified				
Specific target organ toxicity (repeated exposure)	: Not classified				
Aspiration hazard	: Not classified				
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.				

SECTION 12: Ecological information

12.1. Toxicity

Pyrethrins (8003-34-7)				
LC50 fish 1	0.049 mg/l (96 h; Lepomis macrochirus)			
LC50 other aquatic organisms 1	0.011 mg/l (96 h; Gammarus sp.)			
LC50 fish 2	0.009 mg/l (96 h; Ictalurus punctatus)			
Threshold limit other aquatic organisms 1	0.011 mg/l (96 h; Gammarus sp.)			
Sulfur, solid (7704-34-9)				
LC50 fish 1 866 mg/l (96 h; Brachydanio rerio)				
LC50 fish 2 > 100 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)				
TLM fish 1	10000 ppm (96 h; Gambusia affinis)			
Threshold limit other aquatic organisms 1	> 10000 mg/l (24 h; Daphnia magna)			
2.2. Persistence and degradability				
Bonide Citrus, Fruit & Nut Orchard Spray Concentrate				
Persistence and degradability Not established.				
Pyrethrins (8003-34-7)				
Persistence and degradability Readily biodegradable in water.				
Sulfur, solid (7704-34-9)				
Persistence and degradability	Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.			
Biochemical oxygen demand (BOD)	Not applicable			
Chemical oxygen demand (COD)	Not applicable			
ThOD	Not applicable			
BOD (% of ThOD)	Not applicable			
12.3. Bioaccumulative potential				
Bonide Citrus, Fruit & Nut Orchard Spray Concentarte				
Bioaccumulative potential Not established.				
Pyrethrins (8003-34-7)				
Log Pow 6.15 (Estimated value)				

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12.4. Mobility in soil						
Pyrethrins (8003-34-7)						
Ecology - soil Not toxic to plants. Toxic to bees.						
Sulfur, solid (7704-34-9)						
Ecology - soil	Not toxic to bees.					
12.5. Other adverse effects						
Other information	: Avoid release to the environment.					
SECTION 13: Disposal considerat	ions					
13.1. Waste treatment methods						
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.					
Ecology - waste materials	: Avoid release to the environment.					
SECTION 14: Transport information						
In accordance with DOT						
	ulations					
No dangerous good in sense of transport reg	ulalions					
Additional information Other information : No supplementary information available.						
	: No supplementary information available.					
SECTION 15: Regulatory informat	ion					
pesticide law. These requirements differ from	ed by the Environmental Protection Agency and is subject to certain labeling requirements under federal the classification criteria and hazard information required for safety data sheets, and for workplace labels nazard information as required on the pesticide label:					
Causes moderate eye irritation.						
15.1. US Federal regulations						
No additional information available						
15.2. International regulations						
No additional information available						
15.3. US State regulations						
pyrethrins (8003-34-7)						
U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List						
sulfur, solid (7704-34-9)						

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTIO	N 16:	Other	inf	formation	tion

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Other information
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: None.

SDS US (GHS HazCom 2012) - Pesticides

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.