

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

SECTION 1: Identification of the	substance/mixture and of the company/undertaking			
1.1. Product identifier				
Product name	: Bonide Go Away! Scent-inal Deer Repellent System			
roduct code : 231 - 25B				
1.2. Relevant identified uses of the	substance or mixture and uses advised against			
Use of the substance/mixture	: Repellent			
1.3. Details of the supplier of the sa	afety data sheet			
Bonide Products, Inc. 6301 Sutliff Road Oriskany, NY 13424 T (315) 736-8231 www.bonide.com				
1.4. Emergency telephone number				
Emergency number	: CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887			
SECTION 2: Hazards identification	on			
2.1. Classification of the substance				
Classification (GHS-US)				
Flam. Liq. Not classified Skin Irrit. 2 H315 Eye Irrit. 2A H319				
2.2. Label elements				
GHS-US labeling				
Hazard pictograms (GHS-US)	GHS07			
Signal word (GHS-US)	: Warning			
Hazard statements (GHS-US)	: H315 - Causes skin irritation H319 - Causes serious eye irritation			
Precautionary statements (GHS-US)	 P264 - Wash hands thoroughly after handling P280 - Wear protective gloves and eye protection P302+P352 - IF ON SKIN: Wash with plenty of soap and water P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P321 - Specific treatment (see first aid on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362 - Take off contaminated clothing and wash before reuse 			
2.3. Other hazards				
No additional information available				
2.4 Unknown acute toxicity (GHS-I				

Unknown acute toxicity (GHS-US) 2.4.

No data available

SECTION 3: Composition/information on ingredients

Mixture			
Name	Product identifier	%	Classification (GHS-US)
Vinegar	(CAS No) 8028-52-2	1	Flam. Liq. 3, H226 Skin Corr. 1A, H314
Peppermint Oil	(CAS No) 8006-90-4	0.025	Not classified
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Name	Product identifier	%	Classification (GHS-US)
Cinnamon oil	(CAS No) 8015-91-6	0.025	Not classified
Clove Oil	(CAS No) 8000-34-8	0.01	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312

	Acute Tox. 4 (Definial), h512
SECTION 4: First aid measures	
4.1. Description of first aid measure	es
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	: Wash with plenty of soap and water. Wash contaminated clothing before reuse. Get medical advice/attention. If irritation occurs and persists see a doctor.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention. Direct contact with the eyes is likely irritating.
-irst-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
I.2. Most important symptoms and	effects, both acute and delayed
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
4.3. Indication of any immediate me	edical attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measur	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Jnsuitable extinguishing media	: Do not use a heavy water stream.
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5.2. Special hazards arising from the so additional information available	
5.3. Advice for firefighters	
irefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release r	neasures
6.1. Personal precautions, protective	ve equipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters.	
, , , , , , , , , , , , , , , , , , ,	inment and cleaning up
6.3. Methods and material for conta	
<i>l</i> ethods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
6.4. Reference to other sections	
See Heading 8. Exposure controls and pers	sonal protection.
SECTION 7: Handling and storage	ge
7.1. Precautions for safe handling	
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor.
Hygiono monsuros	· Wash hands therewish offer handling

: Wash hands thoroughly after handling.

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7.2.	Conditions for safe storage	including any incompatibilities
Storage	e conditions	: Store in original container. Keep container closed when not in use.
Incomp	patible products	: Strong bases. Strong acids.
Incomp	patible materials	: Sources of ignition.
7 2	Specific and use(s)	

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Vinegar (8028-52-2)		
USA ACGIH	ACGIH TWA (ppm)	10 ppm
USA ACGIH	ACGIH STEL (ppm)	10 ppm

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Wear approved mask.
Other information	: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties 9.1. Physical state : Liquid Appearance Transparent yellowish liquid : Color Transparent yellow Odor Clove - Cinnamon Scent Odor threshold : No data available : 3.4 - 3.6 pН Relative evaporation rate (butyl acetate=1) : No data available Melting point No data available Freezing point : No data available Boiling point : No data available : No data available Flash point Self ignition temperature : No data available Decomposition temperature No data available Flammability (solid, gas) : No data available Vapor pressure : No data available Relative vapor density at 20 °C : No data available Relative density : 0.99 Solubility No data available Log Pow : No data available : No data available Log Kow Viscosity, kinematic : No data available Viscosity, dynamic : No data available Explosive properties No data available : No data available Oxidizing properties Explosive limits : No data available 9.2. **Other information**

No additional information available

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SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability Not established.	
10.3. Possibility of hazardous reactions	
Not established.	
10.4. Conditions to avoid	
Extremely high or low temperatures.	
10.5. Incompatible materials	
Strong acids. Strong bases.	
10.6. Hazardous decomposition products	
Carbon monoxide. Carbon dioxide.	
SECTION 11: Toxicological information	on
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Cinnamon oil (8015-91-6)	
LD50 oral rat	2650 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
Clove Oil (8000-34-8)	
LD50 oral rat	1370 mg/kg (Rat)
LD50 dermal rabbit	1200 mg/kg (Rabbit)
Skin corrosion/irritation	: Causes skin irritation.
	pH: 3.4 - 3.6
Serious eye damage/irritation	Causes serious eye irritation.
	pH: 3.4 - 3.6
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
	: 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.
	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
SECTION 12: Ecological information	

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12.1. Toxicity

Vinegar (8028-52-2)		
LC50 fish 1	75 mg/l (96 h; Lepomis macrochirus; Pure substance)	
EC50 Daphnia 1	6000 mg/l (24 h; Daphnia magna; Pure substance)	
EC50 other aquatic organisms 1	> 5000 mg/l (5 h; Activated sludge; Pure substance)	
LC50 fish 2	88 mg/l (96 h; Pimephales promelas; Pure substance)	
EC50 Daphnia 2	32 mg/l (48 h; Artemia salina; Pure substance)	
TLM fish 1	47 mg/l (96 h; Lepomis macrochirus)	
TLM fish 2	100 ppm (96 h; Carassius auratus)	
Threshold limit other aquatic organisms 1	12 - 1350, Protozoa; Pure substance	

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V(in a man (2000, 50, 0)			
Vinegar (8028-52-2) Threshold limit algae 1	90 mg/l (Microcystis aeruginosa; Pure substance)		
Threshold limit algae 2	4000 mg/l (Scenedesmus quadricauda; Pure substance)		
2.2. Persistence and degradability			
Bonide Go Away! Scent-inal Deer Repellent System			
Persistence and degradability Not established.			
Vinegar (8028-52-2)			
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the components available.		
Biochemical oxygen demand (BOD)	0.6 - 0.74 g O ² /g substance		
Chemical oxygen demand (COD)	1.03 g O ² /g substance		
ThOD	1.07 g O ² /g substance		
BOD (% of ThOD)	0.56 - 0.69 % ThOD		
Peppermint Oil (8006-90-4)			
Persistence and degradability	Not established.		
Cinnamon oil (8015-91-6)			
Persistence and degradability	Biodegradability in water: no data available.		
Clove Oil (8000-34-8) Persistence and degradability	Biodegradability in water: no data available.		
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2.3. Bioaccumulative potential			
Bonide Go Away! Scent-inal Deer Repellent S			
Bioaccumulative potential	Not established.		
Vinegar (8028-52-2)			
Log Pow	-0.310.17		
Bioaccumulative potential	Bioaccumulation: not applicable.		
Peppermint Oil (8006-90-4)			
Bioaccumulative potential	Not established.		
Cinnaman ail (2015 01 6)			
Cinnamon oil (8015-91-6) Bioaccumulative potential	No bioaccumulation data available.		
Clove Oil (8000-34-8)			
Bioaccumulative potential	No bioaccumulation data available.		
2.4. Mobility in soil			
Vinegar (8028-52-2)			
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.		
200039 001			
2.5. Other adverse effects			
ther information	: Avoid release to the environment.		
ECTION 13: Disposal considerations			
3.1. Waste treatment methods			
/aste disposal recommendations	· Dispose in a safe manner in accordance with local/national regulations		
	 Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment. 		
Cology - waste materials	. היטוע ובוכמסב נט נוופ פוועווטוווופווג.		
ECTION 14: Transport information			
accordance with DOT			
o dangerous good in sense of transport regulatio	ns		
dditional information			
ther information	: No supplementary information available.		

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SECTION 15: Regulatory information

This chemical is a pesticide product regulated by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Product can cause moderate eye irritation. For certain individuals, skin irritation may occur. In case of eye contact, flush with plenty of water. In case of skin irritation, wash area thoroughly with soap and water. Seek medical attention if irritation persists.

15.1. US Federal regulations		
No additional information available		
15.2. International regulations		
No additional information available		
15.3. US State regulations		
No additional information available		

SECTION 16: Other information

Other information

: None.

Full text of H-phrases: see section 16:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. Not classified	Flammable liquids Not classified
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Irrit. 2	Skin corrosion/irritation Category 2
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation

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.