



Bonide Go Away! Scent-inal Deer Repellent System

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
Product 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 safety 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

2.1. Classification of the substance or mixture

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-US)

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

Bonide Go Away! Scent-inal Deer Repellent System

Safety Data Sheet

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

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

SECTION 4: First aid measures

4.1. Description of first aid measures

- 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.
- 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 after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- 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 firefighters

- Firefighting 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 measures

6.1. Personal precautions, protective 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.

6.3. Methods and material for containment and cleaning up

- Methods 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 personal protection.

SECTION 7: Handling and storage

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.
- Hygiene measures : Wash hands thoroughly after handling.

Bonide Go Away! Scent-inal Deer Repellent System

Safety Data Sheet

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

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Keep container closed when not in use.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition.

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

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Transparent yellowish liquid
Color : Transparent yellow
Odor : Clove - Cinnamon Scent
Odor threshold : No data available
pH : 3.4 - 3.6
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
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
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

Bonide Go Away! Scent-inal Deer Repellent System

Safety Data Sheet

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

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

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
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.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.

SECTION 12: Ecological information

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

Bonide Go Away! Scent-inal Deer Repellent System

Safety Data Sheet

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

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)

12.2. 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.

12.3. Bioaccumulative potential

Bonide Go Away! Scent-inal Deer Repellent System	
Bioaccumulative potential	Not established.

Vinegar (8028-52-2)	
Log Pow	-0.31 - -0.17
Bioaccumulative potential	Bioaccumulation: not applicable.

Peppermint Oil (8006-90-4)	
Bioaccumulative potential	Not established.

Cinnamon oil (8015-91-6)	
Bioaccumulative potential	No bioaccumulation data available.

Clove Oil (8000-34-8)	
Bioaccumulative potential	No bioaccumulation data available.

12.4. Mobility in soil

Vinegar (8028-52-2)	
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

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
No dangerous good in sense of transport regulations

Additional information

Other information : No supplementary information available.

Bonide Go Away! Scent-inal Deer Repellent System

Safety Data Sheet

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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.