



Prepared according to OSHA Hazard Communication Standard 29CFR 1910.1200

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY ADDRESS:	EMERGENCY TELEPHONE NUMBERS:
Baer Enterprises	(800) 424-9300 (CHEMTREC, transportation and spills)
Dbas Zone Protects	
1629 Fourth Avenue SE	Customer Service: 833-469-6631, zone-info@zoneprotects.com
Decatur, AL 35601 USA	Technical Questions: 833-469-6631, zone-info@zoneprotects.com

PRODUCT NAME : **Zone Protects R.A.D.**
PRODUCT USE : Rabbit, Animal, Deer Repellent
PRODUCT CODE : NON-FIFRA Classification

SECTION 2 - HAZARDS IDENTIFICATION SUMMARY

EMERGENCY OVERVIEW: Opaque water soluble liquid, spicy odor, non-flammable

NFPA Hazard Rating

Health 1
Flammability 0
Reactivity 0



HEALTH HAZARDS: Not classified as a physical hazard.

Acute oral toxicity – Category 4
Primary eye irritant – Category 2B

GHS Classification

Health 1
Flammability 0
Reactivity 0

SECTION 3 - COMPOSITION, INFORMATION OF INGREDIENTS

COMPONENT	PERCENTAGE	CAS NUMBER
Water	90-99	7732-18-5
Sodium Lauryl Sulfate	0-1	151-21-3
Cinnamon Oil	0-1	8007-80-5
Peppermint Oil	0-1	8006-90-4
Egg Solids	0-1	51609-52-0
Citric Acid	0-1	77-92-9
Cyclodextrin	0-1	10016-20-3

Note: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

SECTION 4 - FIRST AID MEASURES

First Aid responders should use protective equipment in Section 8 if there is a potential for exposure to product.

IF SWALLOWED: Have victim rinse mouth with water. NEVER give anything by mouth if the victim is rapidly losing consciousness, or is unconscious or convulsing. DO NOT INDUCE VOMITING. Contact a physician if warranted.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air, if person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.



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Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN: No specific antidote, treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

National Fire Protection Rating (NFPA)

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal	

FLASHPOINT: > 200°F (93°C)

EXTINGUISHING MEDIA: Use foam, dry chemical, or water spray.

FIRE AND EXPLOSION HAZARD: Not Flammable by OSHA

FIRE FIGHTING EQUIPMENT: Self-contained breathing apparatus with full face piece and full protective clothing

SECTION 6 - ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILLS OR LEAKS: Clean up spills immediately, observing precautions in Section 8 of this document. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

SMALL SPILL: Absorb small spills on sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal.

LARGE SPILL: Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify, and scrape up for disposal. After removal, clean contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container.

This material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Minimize use of water to prevent environmental contamination

SECTION 7 - HANDLING AND STORAGE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
KEEP OUT OF REACH OF CHILDREN!

HANDLING: Read entire label before using. Use strictly in accordance with label precautionary statements and directions

STORAGE: Keep container closed when not in use. Keep away from food, feed and drinking water. Store in a well ventilated dry place away from heat, sparks, open flame or any other ignition sources. Store above 32 F.



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SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

COMPONENT	CAS No.	%	OSHA PEL	ACIGH TLV
n/a				

ENGINEERING CONTROLS: Proper ventilation is required when handling or using this product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

PERSONAL PROTECTIVE EQUIPMENT: None required

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Opaque liquid
Odor: Moderate spicy odor
pH: 5-7
Melting Point: Not applicable
Boiling Point: Greater than 200°F (93°C)
Flash Point: >200°F (93°C)
Evaporation Rate: No data
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Relative Density (H2O=1): 0.98 g/mL (8.16 lb/gal)
Solubility in Water: Soluble
Solubility in Solvents: No data
Viscosity: No data
Volatile Organic Compounds: No data
Partition Coefficient: Not determined

SECTION 10 - STABILITY AND REACTIVITY

PRODUCT REACTIVITY: Non-reactive

CHEMICAL STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Avoid extreme temperatures

INCOMPATIBLE MATERIALS: Oxidizing agents, acids, alkali metals, ammonia, peroxides, calcium hypochlorite, reducing agents

HAZARDOUS DECOMPOSITION PRODUCTS: None identified



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SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity data from similar formulation

Acute oral toxicity: No data available

Acute inhalation toxicity: No data available

Acute dermal toxicity: No data available 2000

Irritant effect on skin: No data available

Irritant effect on eyes: No data available

Sensitization: No data available

Mutagenicity: Not determined

Carcinogenicity/Reproductive toxicity: No data available

Specific Target Organ Toxicity: No data available

Signs and Symptoms of Exposure: No data available

POTENTIAL HEALTH EFFECTS

INHALATION: *May cause irritation to lungs*

SKIN CONTACT: *Do not use over cuts, wounds or irritated skin. Pre-existing skin disorders may be aggravated by exposure*

EYE CONTACT: *Prolonged contact may cause irritation, with redness, pain, tearing, blurred vision and conjunctivitis.*

INGESTION: *May be harmful if swallowed*

TARGET ORGANS: *Respiratory system*

SECTION 12 - ECOLOGICAL INFORMATION

General Comments: Ecotoxicological data have not been determined specifically for this product, but it is classified on the basis of the known hazards of the components.

Mobility: No data available

Biodegradability: No data available

Bioaccumulation: No data available

Toxicity: No data available



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SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not reuse any empty containers.

US: This product is a hazardous liquid waste (D001) as defined in Resource Conservation Recovery Act Regulations (40 CFR 261) and should be disposed of according to local, state and Federal regulations. Dispose of partially filled and empty containers by wrapping and discarding in trash.

International: This product should not be disposed of via the drains or by landfill. Disposal must be in accordance with current national and local regulations. Chemical residues generally count as special waste, and their disposal may be regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities or approved waste disposal companies who will advise you on how to dispose of special waste. General EU requirements are given in the Waste Framework Directive (75/442/EEC) and the Hazardous Waste Directive (91/689/EEC). Packaging may contain residues of the product and should be treated accordingly.

SECTION 14 - TRANSPORT INFORMATION

SHIPPING INFORMATION:

Regulation	Un No.	Proper Shipping Name	Class	Package Group	Additional Information
None					

The transportation regulations are cited according to international regulations and in the form applicable to the United States. Possible national deviations in other countries are not considered.

SECTION 15 - REGULATORY INFORMATION

Signal Word: None

Precautionary Statements: This product may be harmful if swallowed. Avoid contact with eyes. If contact with eyes occurs, immediately flush with plenty of water. Seek medical attention if either occurs.

Notification Status: All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

U.S. FEDERAL REGULATIONS:

FIFRA labeling: This product is a minimum risk pest control product and qualifies for exemption from EPA registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). The labeling requirements under FIFRA differ from the classification criteria and hazard information required for safety data sheets, and for workplace non-pesticide chemicals. Following is the hazard information as found on the pesticide label:

U.S. STATE REGULATIONS:

California Prop. 65: This product does not contain any chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.



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SECTION 16 - OTHER INFORMATION

HMIS HAZARD RATINGS	HEALTH	1
	FLAMMABILITY	0
	PHYSICAL HAZARD	0
	4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal	

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This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling.

It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.

REVISED DATE: April 2019