



GHS SAFETY DATA SHEET

Best Shot® 256 Disinfectant

HMIS:

Health- 3 Flammability-0 Reactivity- 0 Personal Protection- B=Safety glasses, Gloves

NFPA:

Class II

Health- 3 Flammability-0 Reactivity-0 Special Hazard- N

1. IDENTIFICATION

Trade Name	Best Shot® 256 Disinfectant
Synonyms	Lavender Disinfectant, Lemon Disinfectant, Wintergreen Disinfectant, Fresh Disinfectant
Product ID/UPC #'s	183941: 414256, 411255, 413259, 412252
EPA Reg. No.	10324-141-81354
EPA Est. No.	81354-KY-1
UN HS Code	380840
Product Class	Mixture -Quaternary Ammonium Compound
Recommended Use	Disinfectant/Sanitizer
Product Dilution Information	256:1, 1 part mixture to 256 parts water, 1/2 ounce per gallon of water

Manufacturer	Best Shot Pet Products International, LLC. 180 Commerce Blvd. Frankfort. KY 40601
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Non-Emergency Contact

Professional Products: 1-800-735-5251; Retail Products: 1-800-725-5251

Email Address	info@bestshotpet.com
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Emergency Telephone	1-800-735-5251
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2. HAZARD IDENTIFICATION

2.1 Emergency Overview

Appearance:	Clear solution with characteristic odor
Precautionary statements:	Causes severe skin burns and serious eye damage Harmful if swallowed

GHS Classification
Health

Serious Eye Damage/eye irritation	Category 1
Skin corrosion/irritation	Category 1B
Acute toxicity (oral)	Category 4
Acute toxicity (dermal)	Category 4

Product at Use-Dilution

Serious eye damage/irritation	Category 2B
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2.2 Hazard Pictograms/symbols


Signal Word:

DANGER!

Hazard Statements:

H302: Harmful if swallowed
H312: Harmful if contact with skin
H314: Causes severe skin burns and eye damage

Precautionary statements:
Prevention

P262: Do not get in eyes, on skin, or on clothing
P264: Wash affected areas thoroughly after handling
P270: Do not eat, drink, or smoke when using this product
P280: Wear protective gloves, eye, face, and foot protection

Response

P301+312+330+331: IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. Do NOT induce vomiting.

P303+361+353: IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water.

2.2 Continued

P304+340: IF INHALED: Seek fresh air and maintain comfortable restful position for breathing.

P305+351+338: IF IN EYES: Gently flush with cool water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing

P310: Immediately call a POISON CENTER or doctor/physician

P363: Wash contaminated clothing before reuse

Storage

P233: Keep container tightly closed

P234: Keep only in original container

P501: Dispose of contents and container to an approved waste disposal facility

Product at Use-Dilution

Hazard pictograms/symbols

None

Signal Word:

Warning

Hazard Statements:

H320: Causes eye irritation

Precautionary Statements:

Prevention

P264: Wash affected areas thoroughly after handling

Response

P305+351+338+337+313: IF IN EYES: Gently flush with cool water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Seek medical attention.

2.3 Hazards not otherwise classified (HNOC) None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

Chemical Name	CAS #	GHS Classification	Concentration
Didecyl dimethyl ammonium chloride	7173-51-5	Serious eye damage/eye irritation: Category 1, Skin Corrosion/Irritation: Category 1B, Acute toxicity (oral):	10.14%
Alkyl (C ₁₂₋₁₆) dimethylbenzyl ammonium chloride	68424-85-1	Category 3, Acute toxicity (dermal): Category 3; H301 H314, H318	6.76%
Other components below reportable levels		Inert Ingredients	83.10%

Product at Use-Dilution

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulators

4. FIRST AID MEASURES

General Advice

When symptoms persist or in all cases of doubt seek medical advice.

- 4.1**
- Eye contact** Rinse immediately with plenty of water, also under the eyelids, for several minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. If symptoms persist, get medical advice/attention
- Skin contact** If skin problems occur, discontinue use. If symptoms persist, call a physician.
- Ingestion** Not an expected exposure route. If ingestion occurs, Clean mouth with water. Afterwards drink plenty of water or milk. Do not induce vomiting. Note: After first aid treatment, the caller should be advised that 1) a hospital emergency room or family physician should be consulted if anything unusual occurs or appears necessary in the judgment of the caller, and 2) that the subsequent management of the accident should be dictated by any persistent symptoms and under the direction of the physician.
- Inhalation** None under normal use. If inhalation occurs, move to fresh air.
- 4.2 Most important symptoms/effects, acute and delayed**
- Risks: Refer to sections 2.2 and/or section 11 for most important known symptoms and effects, Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged or repeat skin exposure may aggravate existing conditions. Inhalation may aggravate existing chronic conditions like asthma, emphysema or bronchitis.
- 4.3 Indication of immediate medical attention and special treatment needed, if necessary**
- Note to Physician: Treat symptomatically. Consider that over exposure to other materials other than this product may have possibly occurred.

5. FIRE - FIGHTING MEASURES

Flash Point and method:	None
5.1 Extinguishing Media	
Suitable extinguishing media	This product is not flammable Use media suitable for material burning
Unsuitable Extinguishing Media	No data available
5.2 Special hazard	Container may rupture on heating May include carbon oxides, nitrogen oxides
5.3 Protection of Firefighters	No special methods required. Wear full protective clothing and self-contained breathing apparatus. Keep unopened containers cool by spraying with water. Move containers from area if can safe to do so.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions	Area may be slippery. Wear appropriate protective equipment (See section 8).
6.2 Enviromental precautions	Avoid contact of spilled material and runoff with soil and surface waterways.
6.3 Methods for cleaning up	Stop leak if safe to do so. Absorb spills with vermiculite or sand. Shovel up and place in non-metal waste container for disposal. Dike large spills with soil or sand to prevent its spread. Keep in suitable, properly labeled, closed containers for disposal.
Recovery:	
Decontamination/cleaning:	Wash non-recoverable remainder with large amounts of water. Clean contaminated surfaces thoroughly. Recover the cleaning water for subsequent disposal.
Disposal:	Dispose of in accordance with local regulations
Additional advice:	Spill area may be slippery

Product as Use-Dilution

Use a water rinse for final clean-up

7. HANDLING AND STORAGE

Precautions for safe handling

7.1 Technical measures:	Does not equire any specific or particular measures
Advice on safe handling and usage:	Wear appropriate protective equipment including long chemical resistant gloves, splash goggles, and footwear. Handle in accordance with good industrial hygiene and safety practice. Do not spray towards face. Wash affected areas after use. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Product as Use-Dilution

Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures:	Does not require any specific or particular measures Storage class (TRGS 510): Non-combustible, corrosive materials
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Storage conditions

Recommended:	Keep container closed. Opened containers must be resealed & kept upright to prevent leakage.
Incompatible products:	Hazrdous reactions may occur on contact with certain chemicals. Refer to list of incompatible materials section 10: "Incompatible materials"

Product as Use-Dilution

Keep out of reach of children. Keep container tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposer controls/Control measures	Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.
Engineering measures:	
Personal protective equipment	
Respiratory protection:	Not required under normal usage and with proper ventilation
Eye Protection:	Wear splash goggles
Skin & Body Protection:	Wear gloves and footwear
Hygiene measures:	1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
8. Continued	

Protective measures:

- 3) wash exposed skin promptly to remove accidental splashes or contact with material.
- Ensure that eyewash stations and safety showers are close to the workstation location, and that the appropriate emergency equipment is immediately accessible with instructions for use.

Product as Use-Dilution

Respiratory protection:	A respirator is not needed under normal and intended conditions of product use
Hand protection:	No protective equipment is needed under normal use conditions
Eye Protection:	No protective equipment is needed under normal use conditions
Skin & Body Protection:	No protective equipment is needed under normal use conditions
Hygiene measures:	1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this product is stored. 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. 3) wash exposed skin promptly to remove accidental splashes or contact with product

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State @ 20° C	Liquid
Appearance	Pale lavender, pink, yellow or green translucent liquid
Odor	Pleasant lavender, lemon, fresh or wintergreen fragrance
Odor threshold	No information available
Property	Values
pH value	7.0 ± 0.5
Freezing point	No information available
Boiling point	>100°C
Flash point	Does not flash
Evaporation rate	No information available
Flammability (solid, gas)	No data available.
Upper/ lower flammability limit	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative Density	No data available.
Water solubility	Water solubility: soluble
Solubility in other solvents	No data available.
Partition coefficient: n-octanol/water	Not applicable.
Autoignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	Low viscosity

Product as Use-Dilution

Appearance:	Pale lavender, pink, yellow or green translucent liquid
Odor:	Pleasant lavender, lemon, fresh or wintergreen fragrance
pH:	7
Flash point:	Does not flash

10. STABILITY AND REACTIVITY

10.1 Reactivity	No information available
10.2 Chemical stability	Stable and non-reactive under normal conditions of use, storage, and transport
10.3 Possibility of hazardous reactions	No information available
10.4 Conditions to avoid	No information available
10.5 Materials to avoid	Anionic surfactants
10.6 Hazardous Decomposition Products	Oxides of carbon and nitrogen

11. TOXICOLOGICAL INFORMATION**Product Summary:**

Causes severe skin burns and serious eye damage. Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and

diarrhea. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly digestive tract. Vapors and spray mist may irritate throat, respiratory system, and cause coughing. No data available for the teratogenicity, mutagenicity, or reproductive toxicity of this product. No data available to designate the product as causing specific target organ toxicity through repeated exposure. No data available to designate product as an aspiration hazard.

Information on likely routes of exposure:

Eye contact: Corrosive. Causes serious eye damage. Symptoms may include pain, burning, redness, watering, blurred vision or vision loss.
Skin contact: Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).
Ingestion: Harmful if swallowed. Causes burns/serious damage to mouth, throat and stomach. Symptoms include vomiting, nausea, etc.
Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms include coughing and difficult breath
Sensitization: No known effects

Product as Use-Dilution

Product Summary:

Causes eye irritation

No data available for the teratogenicity, mutagenicity, or reproductive toxicity of this product. No data available to designate the product as causing specific target organ toxicity through repeated exposure. No data available to designate product as an aspiration hazard.

Information on likely routes of exposure:

Eye contact: Causes eye irritation. Symptoms may include irritation, watering, redness
Skin contact: No known significant effects or critical hazards
Ingestion: No known significant effects or critical hazards
Inhalation : No known significant effects or critical hazards
Sensitization: No known effects

Information on toxicological effects

Acute toxicity

Acute oral: LD₅₀ >1000 mg/jg
Acute dermal: LD₅₀ >2000 mg/jg
Acute inhalation: No information available
Acute toxicity (other): No information available

Skin corrosion/irritation

Skin irritation: Corrosive. Causes severe burns

Serious eye damage/irritation

Eye irritation: Corrosive. Causes serious eye damage

Respiratory or skin sensitization

Sensitization: Not classified as sensitizing by skin contact

Product as Use-Dilution

Acute toxicity

Acute oral: LD₅₀ >5000 mg/jg
Acute dermal: LD₅₀ >2000 mg/jg
Acute inhalation: No information available
Acute toxicity (other): No information available

Skin corrosion/irritation

Skin irritation: No known significant effects or critical hazards

Serious eye damage/irritation

Eye irritation: Causes eye irritation

Respiratory or skin sensitization

Sensitization: Not classified as sensitizing by skin contact

11 Continued

Mutagenicity

Genotoxicity in vitro: No information available
Genotoxicity in vivo: No information available

Carcinogenicity	This product does not contain any ingredient designated as probable or suspected human carcinogens by IARC, ACGIH
Carcinogenicity:	
Toxicity for reproduction and development	
Toxicity to reproduction/fertility:	No information available
Developmental toxicity/teratogenicity	No information available
Specific Target Organ Toxicity (STOT)	
STOT-single exposure:	No information available
STOT-repeated exposure:	No information available
Aspiration Toxicity	
Aspiration toxicity:	No information available
Other Hazards	
No information available	No information available

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity	Toxic to aquatic life
12.2 Persistence and degradability	No information available
12.3 Bioaccumulative potential	No information available. No bioaccumulation expected
12.4 Mobility in soil	No relevant studies identified.
12.5 Results of PBT & vPvB assessment	No information available
12.6 Other adverse effects	No other adverse environmental effects are expected from this product

13. DISPOSAL CONSIDERATION

13.1 A Waste treatment methods

PESTICIDE DISPOSAL:	Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental control agency, or Hazardous Waste Representative at the nearest EPA Regional Office for guidance.
Product disposal:	Observe all applicable federal, state, and local regulations
Packaging:	Remove all residue when emptying

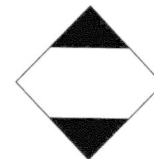
13.1 B Product at Use-Dilution

Waste treatment methods

PESTICIDE DISPOSAL:	Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental control agency, or Hazardous Waste Representative at the nearest EPA Regional Office for guidance.
Product disposal:	Diluted product can be flushed to sanitary sewer
Packaging:	Discard empty container in trash or offer for recycling

14. TRANSPORTATION INFORMATION

DOT Hazard Classification:	UN number: 1903
	UN proper shipping name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (QUATERNARY AMMONIUM COMPOUND)
	Transport hazard class(es): 8
	Packing group (if applicable): III



Product at Use-Dilution	49 CFR § 173.154 - Exceptions for Class 8 (corrosive materials) May ship as "Limited Quantities"
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15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Notification status:	Not applicable
OSHA Hazard Communication Standard (26 CFR 1910.120 hazardous	
CERCLA (RQ)	

Ingredient(s)	CAS#	Weight	CERCLA RQ	Section 302 TPQ
Not Listed				

SARA/EPCRA Extremely Hazardous Substances (302/304)

Ingredient(s)	CAS#	Weight	CERCLA RQ	Section 302 TPQ
Not Listed				

SARA Hazard Categories (311/312)

Fire	Reactive	Acute Health Hazard	Chronic Health Hazard
NO	NO	YES	NO

SARA Toxic Substances (313) The following components are subject to SARA Sec. 313 reporting requirements

Ingredient(s)	CAS#	Weight
Not Listed		

Ingredient(s)	CAS#	Weight
Not Listed		

15.2 Other Regulations

No information Available

California Proposition 65

This product is not subject to warning labeling under California Proposition 65

16. OTHER INFORMATION

NFPA-Classification		HMIS-Classification	
Health	3 high	Health	3 high
Flammability	0 insignificant	Flammability	0 insignificant
Instability or Reactivity			0 insignificant

Product at Use-Dilution

NFPA-Classification		HMIS-Classification	
Health	1 slight	Health	1 slight
Flammability	0 insignificant	Flammability	0 insignificant
Instability or Reactivity	0 insignificant	Reactivity	0 insignificant
		HMIS PPE	

Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH: American Conference of Governmental Industrial Hygienists	NIOSH: National Institute for Occupational Safety and Health
HMIS: Hazardous Materials Identification System	NTP: National Toxicology Program
IARC: International Agency for Research on Cancer	OSHA: Occupational Safety and Health administration
NFPA: National Fire Protection Association	

Prepared by:

Technical Department

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Reason for revision:

Updated revised ingredients and added "Product at Use-Dilution" tables

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. It is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. This information only relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS