

**Advantage® Treatment Spray for Cats**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/23/2020	122000010817	Date of first issue: 23.06.2020

**SECTION 1. IDENTIFICATION****Product information**

Product Name : Advantage® Treatment Spray for Cats  
Synonyms : PYROCIDE® Liquid Pet Spray 7418  
SDS Number : 122000010817

**Use** : Product care for animals

**Company**

Elanco Animal Health  
2500 Innovation Way  
Greenfield, IN 46140  
USA  
+1-877-Elanco1(+1-877-3526261)  
elanco\_sds@elanco.com

**In case of emergency:** CHEMTREC International: +1 703-527-3887 (24 hours)

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with 29 CFR 1910.1200**

Flammable liquids : Category 2  
Eye irritation : Category 2B  
Specific target organ toxicity : Category 3 (Central nervous system)  
- single exposure

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.  
H320 Causes eye irritation.  
H336 May cause drowsiness or dizziness.

Precautionary statements : **Prevention:**  
P210 Keep away from heat/sparks/open flames/hot surfaces.  
No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting equip-  
ment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.

# SAFETY DATA SHEET



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### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Propan-2-ol	67-63-0	97,48
Distillates (petroleum), hydrotreated light	64742-47-8	1,25
N-(2-Ethylhexyl)-8,9,10-trinorborn-5-ene-2,3-dicarboximide	113-48-4	0,957
Pyrethrum Extract	8003-34-7	0,18
pyriproxyfen	95737-68-1	0,125

## SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

If inhaled : Get medical attention if irritation develops and persists.

In case of skin contact : If skin reactions occur, contact a physician.

In case of eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

If swallowed : In case of accidental ingestion, contact your regional poison center or physician immediately.

Most important symptoms and effects, both acute and delayed : No information available.

Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing

Notes to physician : No information available.

## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire-fighting : Fire may cause evolution of:  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency measures : Remove all sources of ignition.  
Keep away from heat and sources of ignition.

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gency procedures

Methods and materials for containment and cleaning up : Cover spilled product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labeled, closable containers.

## SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Keep away from open flames, hot surfaces and sources of ignition.  
Take measures to prevent the build up of electrostatic charge.

Advice on safe handling : Avoid formation of aerosol.  
Conditions for safe storage : Store at temperatures and conditions as indicated on the product label.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m <sup>3</sup>	NIOSH REL
		TWA	400 ppm 980 mg/m <sup>3</sup>	NIOSH REL
		ST	500 ppm 1.225 mg/m <sup>3</sup>	NIOSH REL
		ST	500 ppm 1.225 mg/m <sup>3</sup>	NIOSH REL
		TWA	400 ppm 980 mg/m <sup>3</sup>	OSHA Z-1
		TWA	400 ppm 980 mg/m <sup>3</sup>	OSHA Z-1
		TWA	400 ppm 980 mg/m <sup>3</sup>	OSHA P0
		TWA	400 ppm 980 mg/m <sup>3</sup>	OSHA P0
		STEL	500 ppm 1.225 mg/m <sup>3</sup>	OSHA P0
		STEL	500 ppm 1.225 mg/m <sup>3</sup>	OSHA P0
Distillates (petroleum), hydrotreated light	64742-47-8	TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	200 mg/m <sup>3</sup> (total hydrocarbon vapor)	ACGIH

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		TWA	200 mg/m <sup>3</sup> (total hydrocarbon vapor)	ACGIH
		TWA (Mist)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (Mist)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (Mist)	5 mg/m <sup>3</sup>	NIOSH REL
		TWA (Mist)	5 mg/m <sup>3</sup>	NIOSH REL
		ST (Mist)	10 mg/m <sup>3</sup>	NIOSH REL
		ST (Mist)	10 mg/m <sup>3</sup>	NIOSH REL
Pyrethrum Extract	8003-34-7	TWA	5 mg/m <sup>3</sup>	ACGIH
		TWA	5 mg/m <sup>3</sup>	ACGIH
		TWA	5 mg/m <sup>3</sup>	NIOSH REL
		TWA	5 mg/m <sup>3</sup>	NIOSH REL
		TWA	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	5 mg/m <sup>3</sup>	OSHA P0
		TWA	5 mg/m <sup>3</sup>	OSHA P0

## Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of work-week	40 mg/l	ACGIH BEI
		Acetone	Urine	End of shift at end of work-week	40 mg/l	ACGIH BEI

## Personal protective equipment

Respiratory protection : Recommended Filter type:  
Organic vapor with prefilter  
None required for consumer use of this product.

Hand protection  
Material : Chemically resistant gloves.

Remarks : None required for consumer use of this product.

Eye protection : Safety glasses  
None required for consumer use of this product.

Protective measures : Wear suitable protective equipment.  
Please consult label for end-user requirements.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Colour : clear, yellowish  
Odour : Alcohol  
Odour Threshold : No data available

pH : 9,6

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Concentration: 50 g/l

Melting point / range : No data available

Boiling point/boiling range : No data available

Flash point : 61,0 °F / 16,1 °C

Method: TCC

Evaporation rate : No data available

Burning rate : No data available

Self-ignition : No data available

Burning number : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : 0,788 g/cm<sup>3</sup> (68 °F / 20 °C)

Bulk density : No data available

Solubility(ies)

Water solubility : No data available

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : 7,5 mPa.s (69,3 °F / 20,7 °C)

Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Impact sensitivity : No data available

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Minimum ignition energy : No data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: No data available
Chemical stability	: Stable
Possibility of hazardous reactions	: No data available
Conditions to avoid	: No data available
Incompatible materials	: Oxidizing agents
Hazardous decomposition products	: Carbon monoxide (CO) Carbon dioxide (CO <sub>2</sub> )

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity	: LD50 (Rat): 3.980 mg/kg
Acute inhalation toxicity	: LC50: > 9,66 mg/l Exposure time: 4 h Test atmosphere: aerosol Assessment: No adverse effect has been observed in acute toxicity tests.
Acute dermal toxicity	: LD50 (Rabbit): > 2.000 mg/kg

**Components:****Propan-2-ol:**

Acute oral toxicity	: LD50 (Rat): 4.570 mg/kg
Acute inhalation toxicity	: LC50 (Rat): 72,6 mg/l Exposure time: 4 h Test atmosphere: vapour
Acute dermal toxicity	: LD50 (Rabbit): 13.400 mg/kg

**Distillates (petroleum), hydrotreated light:**

Acute oral toxicity	: LD50 (Rat): > 5.000 mg/kg Method: OECD 401 Test substance: Argument by analogy Remarks: Under the conditions of the test no mortality caused.
Acute inhalation toxicity	: LC50 (Rat): > 5,2 mg/l Exposure time: 4 h Test atmosphere: aerosol Method: OECD 403 Test substance: Argument by analogy Remarks: Under the conditions of the test no mortality caused.

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**N-(2-Ethylhexyl)-8,9,10-trinorborn-5-ene-2,3-dicarboximide:**

Acute oral toxicity	: LD50 (Rat, female): 4.220 mg/kg Assessment: The component/mixture is minimally toxic after single ingestion.
Acute inhalation toxicity	: LC50 (Rat): 4,08 mg/l Exposure time: 4 h Test atmosphere: vapour Assessment: The component/mixture is highly toxic after short term inhalation.

**Pyrethrum Extract:**

Acute oral toxicity	: LD50 (Rat): 200 mg/kg
Acute inhalation toxicity	: Assessment: The component/mixture is moderately toxic after short term inhalation.
Acute dermal toxicity	: LD50 (Rabbit): 300 mg/kg

**pyriproxyfen:**

Acute oral toxicity	: LD50 (Rat): > 5.000 mg/kg Assessment: No adverse effect has been observed in acute toxicity tests.
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**Skin corrosion/irritation****Product:**

Species	: Rat
Exposure time	: 72 h
Result	: Mild skin irritation

**Components:****Propan-2-ol:**

Species	: Rabbit
Result	: No skin irritation

Remarks	: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin. May cause skin irritation and/or dermatitis.
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**Distillates (petroleum), hydrotreated light:**

Species	: Rabbit
Method	: OECD 404
Result	: No skin irritation
Test substance	: Argument by analogy

Remarks	: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.
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**N-(2-Ethylhexyl)-8,9,10-trinorborn-5-ene-2,3-dicarboximide:**

Species	: Rabbit
Result	: Mild skin irritation

**pyriproxyfen:**

Species	: Rabbit
Result	: No skin irritation

**Serious eye damage/eye irritation****Product:**

Result	: Irritation to eyes, reversing within 7 days
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**Components:****Propan-2-ol:**

Result	: Irritating to eyes.
Assessment	: Causes serious eye irritation.

**Distillates (petroleum), hydrotreated light:**

Species	: Rabbit
Result	: No eye irritation
Method	: OECD 405
Test substance	: Argument by analogy

**N-(2-Ethylhexyl)-8,9,10-trinorborn-5-ene-2,3-dicarboximide:**

Species	: Rabbit
Result	: slight irritation
Remarks	: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

**Respiratory or skin sensitisation****Product:**

Species	: Guinea pig
Result	: Does not cause skin sensitisation.

**Components:****Propan-2-ol:**

Species	: Guinea pig
Result	: Did not cause sensitisation on laboratory animals.

**N-(2-Ethylhexyl)-8,9,10-trinorborn-5-ene-2,3-dicarboximide:**

Species	: Guinea pig
Result	: Does not cause skin sensitisation.



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**pyriproxyfen:**

Method	:	Magnusson and Kligmann maximization test
Result	:	Does not cause skin sensitisation.

**Germ cell mutagenicity****Components:****Propan-2-ol:**

Genotoxicity in vitro	:	Test Type: Ames test Result: negative
		Test Type: Micronucleus test Result: No indication of clastogenic effects.

Genotoxicity in vivo	:	Test Type: Micronucleus test Species: Mouse Method: OECD 474 Result: No indication of clastogenic effects.
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**pyriproxyfen:**

Genotoxicity in vitro	:	Test Type: Ames test Result: negative
		Test Type: V79-HPRT Forward Mutation Assay Result: negative
		Test Type: In vitro Cytogenetic Test Result: negative
		Test Type: DNA damage and/or repair Result: negative
Genotoxicity in vivo	:	Test Type: Micronucleus test Species: Mouse Result: No evidence of a genotoxic effect.

**Carcinogenicity****Components:****Propan-2-ol:**

Species	:	Rat
Result	:	Animal testing did not show any carcinogenic effects.

**pyriproxyfen:**

Species	:	Rat
Result	:	negative

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is

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on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity****Components:****Propan-2-ol:****N-(2-Ethylhexyl)-8,9,10-trinorborn-5-ene-2,3-dicarboximide:**

Effects on fertility : Species: Rat  
General Toxicity - Parent: NOAEL: > 10.000 mg/kg

**STOT - single exposure****Components:****Propan-2-ol:**

Assessment : May cause drowsiness or dizziness.

**Repeated dose toxicity****Components:****N-(2-Ethylhexyl)-8,9,10-trinorborn-5-ene-2,3-dicarboximide:**

Species : Rat  
NOAEL : 50 mg/kg  
Exposure time : 24 month  
Remarks : Chronic

Species : Rat  
NOAEL : 450 mg/kg  
Exposure time : 24 month  
Remarks : Oncogenicity

Species : Rat  
NOAEL : 400 mg/kg  
Exposure time : 3 month  
Remarks : Subchronic toxicity

**Aspiration toxicity****Components:****Propan-2-ol:**

May be harmful if swallowed and enters airways.

**Distillates (petroleum), hydrotreated light:**

May be fatal if swallowed and enters airways.

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**Neurological effects****Components:****Propan-2-ol:**

May cause drowsiness or dizziness.

**Further information****Components:****Propan-2-ol:**

Remarks : Breathing of the fumes may lead to narcotic symptoms.

Remarks : After absorption  
Headache  
Nausea  
Unconsciousness  
Dizziness

**pyriproxyfen:**

Pharmaceutic effects

Remarks : Insecticide

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****Propan-2-ol:**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 1.400 mg/l  
Exposure time: 96 h  
Test Type: Acute Fish toxicity

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : IC50 (Desmodesmus subspicatus (green algae)): > 1.000 mg/l  
plants Exposure time: 72 h

**Distillates (petroleum), hydrotreated light:**

Toxicity to fish : LC50 (Salmo gairdneri): > 1.000 mg/l  
Exposure time: 96 h  
Test Type: Acute Fish toxicity

Toxicity to daphnia and other : EC50: > 1.000 mg/l  
aquatic invertebrates Exposure time: 48 h

**N-(2-Ethylhexyl)-8,9,10-trinorborn-5-ene-2,3-dicarboximide:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 1,4 mg/l

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Exposure time: 96 h

LC50 (Lepomis macrochirus (Bluegill sunfish)): 2,3 mg/l  
Exposure time: 96 hToxicity to daphnia and other : LC50: 2,3 mg/l  
aquatic invertebrates**Ecotoxicology Assessment**

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

**Pyrethrum Extract:****Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

**pyriproxyfen:**Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,33 - 0,37 mg/l  
Exposure time: 96 h  
Test Type: Acute Fish toxicityToxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 0,4 mg/l  
aquatic invertebrates Exposure time: 48 hToxicity to algae/aquatic : IC50 (Pseudokirchneriella subcapitata (green algae)): 0,064  
plants mg/l  
Exposure time: 72 h**Persistence and degradability****Components:****Propan-2-ol:**Biodegradability : Result: Readily biodegradable.  
Biodegradation: > 70 %  
Exposure time: 10 d  
Remarks: According to the results of tests of biodegradability  
this product is considered as being readily biodegradable.**Distillates (petroleum), hydrotreated light:**Biodegradability : Inoculum: Activated sludge micro-organism  
Result: Readily biodegradable.  
Biodegradation: 61 %  
Exposure time: 28 d  
Method: OECD 301 B  
Test substance: Argument by analogy  
Remarks: The 10 day time window criterion is not fulfilled.

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### pyriproxyfen:

Biodegradability : Result: Not rapidly biodegradable  
Method: OECD 301 D

### Bioaccumulative potential

#### Components:

##### Propan-2-ol:

Partition coefficient: n-octanol/water : log Pow: 0,074

##### N-(2-Ethylhexyl)-8,9,10-trinorborn-5-ene-2,3-dicarboximide:

Partition coefficient: n-octanol/water : log Pow: 3,61 - 3,80

### pyriproxyfen:

Bioaccumulation : Bioconcentration factor (BCF): 1.500

Partition coefficient: n-octanol/water : log Pow: 5,37 (77 °F / 25 °C)

### Mobility in soil

No data available

### Other adverse effects

#### Product:

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : If discarded in its purchased form, this product would be a hazardous waste.  
However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### IATA-DGR

UN/ID No. : UN 1219  
Proper shipping name : ISOPROPANOL SOLUTION  
Class : 3  
Packing group : II  
Labels : 3

#### IMDG-Code

UN number : UN 1219  
Proper shipping name : ISOPROPANOL SOLUTION (ISOPROPYL ALCOHOL SOLUTION)  
Class : 3

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Packing group : II  
Labels : 3  
Marine pollutant : no

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### National Regulations

#### 49 CFR

UN/ID/NA number : UN 1219  
Proper shipping name : ISOPROPANOL SOLUTION  
Class : 3  
Packing group : II  
Labels : Flammable Liquid  
Marine pollutant : no

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Pyrethrum Extract	8003-34-7	1	555
Pyrethrum Extract	8003-34-7	1	555

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Flammable (gases, aerosols, liquids, or solids)  
Serious eye damage or eye irritation  
Specific target organ toxicity (single or repeated exposure)

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

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The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermedi-ate or Final VOC's (40 CFR 60.489):

Propan-2-ol	67-63-0	97,5 %
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### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Pyrethrum Extract	8003-34-7	0,18 %
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This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

### US State Regulations

#### Massachusetts Right To Know

Propan-2-ol	67-63-0
Distillates (petroleum), hydrotreated light	64742-47-8

#### Pennsylvania Right To Know

Propan-2-ol	67-63-0
Distillates (petroleum), hydrotreated light	64742-47-8
Pyrethrum Extract	8003-34-7

#### Maine Chemicals of High Concern

Product does not contain any listed chemicals

#### Vermont Chemicals of High Concern

Product does not contain any listed chemicals

#### Washington Chemicals of High Concern

Product does not contain any listed chemicals

#### New York City Hazardous Substances

Propan-2-ol	67-63-0
Distillates (petroleum), hydrotreated light	64742-47-8
Pyrethrum Extract	8003-34-7

#### California List of Hazardous Substances

Propan-2-ol	67-63-0
Distillates (petroleum), hydrotreated light	64742-47-8

#### California Permissible Exposure Limits for Chemical Contaminants

Propan-2-ol	67-63-0
Distillates (petroleum), hydrotreated light	64742-47-8

### International Regulations

Montreal Protocol (Ozone Depleting Substances) : Not applicable

Rotterdam Convention (Prior Informed Consent) : Not applicable

Stockholm Convention (Persistent Organic Pollutants) : Not applicable

### The components of this product are reported in the following inventories:

TSCA : Substance(s) not listed on TSCA inventory

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### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:

Health - 1	Flammability - 3	Instability - 0	Others -
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#### HMIS® IV:

Health - 2	Flammability - 3	Instability - 0	Others -
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### Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA P0	:	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	:	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA P0 / TWA	:	8-hour time weighted average
OSHA P0 / STEL	:	Short-term exposure limit
OSHA Z-1 / TWA	:	8-hour time weighted average

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