



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet

Ferti-lome® Indoor/Outdoor Multi-purpose Insect Spray

SECTION 1: Identification

GHS Product identifier

Product name	Ferti-lome® Indoor/Outdoor Multi-purpose Insect Spray
Product number	10043
Brand	Ferti-lome®

Other means of identification

EPA Reg. No. 1021-2685-7401

Recommended use of the chemical and restrictions on use

Insecticide

Supplier's details

Name	Voluntary Purchasing Groups, Inc.
Address	230 FM 87 Bonham TX 75418 USA
Telephone	855-270-4776

Emergency phone number

In the event of a medical or chemical emergency contact ChemTel, Inc.
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

SECTION 2: Hazard identification

General hazard statement

Acute Toxicity (Primary Routes of Exposure): Inhalation, ingestion, eye and skin contact
Signs and Symptoms of Systemic Effects: May cause gastrointestinal effects such as nausea, vomiting and diarrhea, yellow nasal discharge and activity decrease. Inhalation of high vapor or mist concentrations can cause respiratory tract and eye irritation as well as central nervous system effects (drowsiness, dizziness, nausea, head aches and loss of consciousness) including death.
Eye: Causes moderate eye irritation.
Skin: Minimally irritating. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping and reddening.
Ingestion: Harmful if swallowed. Not an expected route of exposure for an aerosol product.
Inhalation: May be harmful if inhaled in excess.

CARCINOGENICITY INFORMATION:

This product is considered to have a low oncogenic potential. None of the components known present in this material at concentrations equal to or greater than 0.1% are listed as a carcinogen

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by the National Toxicology Program (NTP), the International agency for Research on Cancer (IARC), The Occupational Safety and Health Administration (OSHS) or ACGIH.

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)

GHS label elements, including precautionary statements

Signal word

Warning

Hazard statement(s)

H316

Causes mild skin irritation

H320

Causes eye irritation

H333

May be harmful if inhaled

Precautionary statement(s)

P102

Keep out of reach of children.

P103

Read label before use.

P280

Wear protective gloves.

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses if present and easy to do. Continue rinsing.

P403+P235

Store in a well-ventilated place. Keep cool.

P501

Dispose of contents/container to in accordance with Federal, State and local regulations.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Permethrin (CAS no.: 52645-53-1; EC no.: 258-067-9; Index no.: 613-058-00-2)	0.5 %
CLASSIFICATIONS: Acute toxicity, inhalation, Cat. 4; Acute toxicity, oral, Cat. 4; Sensitization, skin, Cat. 1; Hazardous to the aquatic environment, short-term (acute), Cat. 1; Hazardous to the aquatic environment, long-term (chronic), Cat. 1. HAZARDS: H302 - Harmful if swallowed; H317 - May cause an allergic skin reaction; H332 - Harmful if inhaled; H400 - Very toxic to aquatic life; H410 - Very toxic to aquatic life with long lasting effects. [SCLs/M-factors/ATEs]: M=1000	
Isobutane (CAS no.: 75-28-5; EC no.: 200-857-2; Index no.: 601-004-01-8)	< 15 %
CLASSIFICATIONS: Flammable gases, Cat. 1; Gases under pressure, liquefied gas. HAZARDS: H220 - Extremely flammable gas; H280 - Contains gas under pressure; may explode if heated.	
Propane (CAS no.: 74-98-6; EC no.: 200-827-9; Index no.: 601-003-00-5)	< 15 %
CLASSIFICATIONS: Flammable gases, Cat. 1; Gases under pressure, compressed gas; US Simple asphyxiants; USH301. HAZARDS: H220 - Extremely flammable gas; H280 - Contains gas under pressure; may explode if heated.	
Distillates, petroleum, hydrotreated light (CAS no.: 64742-47-8; EC no.: 265-149-8)	< 15 %
CLASSIFICATIONS: Aspiration hazard, Cat. 1; Flammable liquids, Cat. 4; Hazardous to the aquatic environment, long-term (chronic), Cat. 2; Specific target organ toxicity (single exposure), Cat. 3; Skin corrosion/irritation, Cat. 2. HAZARDS: H227 - Combustible liquid; H304 - May be fatal if swallowed and enters airways; H315 - Causes skin irritation; H335 - May cause respiratory irritation; H336 - May cause drowsiness or dizziness; H411 - Toxic to aquatic life with long lasting effects.	
Mineral oil (CAS no.: 8042-47-5; EC no.: 232-455-8)	< 15 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice

Do not administer milk, cream or other substances containing vegetable or animal fats. These only enhance

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absorption of lipophilic substances.
If localized paresthesia develops, thoroughly wash site with soap and water. Cold cream can be applied to help diminish the effect.
Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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.
In case of skin contact	Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
In case of eye contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
If swallowed	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Most important symptoms/effects, acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

Indication of immediate medical attention and special treatment needed, if necessary

Contains petroleum distillate – vomiting may cause aspiration pneumonia. This product contains a Pyrethroid pesticide. If a small amount is ingested (or if treatment is delayed), oral administration of large amounts of activated charcoal and a cathartic is probably sufficient therapy. If large amount are ingested and vomiting has not occurred, emesis should be induced with supervision. Keep patient's head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Carbon Dioxide, Dry Chemical, Foam, or Water

Specific hazards arising from the chemical

Isobutane: Carbon oxides

Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear. Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area. Extinguish only if flow can be stopped. Use flooding amounts of water as a fog. Cool containers with flooding amounts of water from as far a distance as possible. Avoid breathing vapors.

Further information

May form toxic materials: Carbon dioxide and carbon monoxide, various hydrocarbons, etc. carbon monoxide, various hydrocarbons, etc.

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FLASH POINT: NA°F (NA°C) METHOD: TCC
FLAME EXTENTION: Negative
AUTOIGNITION: NA

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

If it is safe to do so:

- Evacuate non-essential personnel from the area to prevent human exposure.
- Remove all sources of ignition.
- Ventilate area.
- Stop the source of the spill. Contain the spill to prevent further contamination of the soil, surface water, or ground water.
- May produce slippery conditions.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and materials for containment and cleaning up

Use proper protective equipment to minimize personal exposure (see Section 8). Take all necessary action to prevent and to remedy the adverse effect of the spill. Ensure that the disposal is in compliance with all Federal, Provincial, and local regulations (See Section 13 for applicable RCRA Number). Refer to Section 15 for applicable Reportable Quantity (RQ) and other regulatory requirements.

SPILL OR LEAK CONTAINMENT:

If can is punctured or leaking soak up liquid with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Place in an approved chemical waste container for disposal. Do not allow spill material to enter any body of water.

CLEANUP:

Rinse spill area with small amount of soapy water or neutralizing agent. Contain and absorb the rinsate with inert absorbents and place into the same disposal container. Area can be washed with water to remove the last trace residue. Do not allow water to contaminate water supplies or sewers.

Recommended Neutralizing Agent: Dilute alkaline (base) solution.

SECTION 7: Handling and storage

Precautions for safe handling

Harmful if swallowed or absorbed through skin. Avoid inhalation of spraymist. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing (dust vapor or spray mist).

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container.

Exposure

to temperatures above 130°F may cause bursting.

Do not use this product in or on electrical equipment due to possibility of shock hazard. Use appropriate personnel protective equipment. Avoid contamination of feed and foodstuff. Toxic to fish, do not apply directly to water.

Conditions for safe storage, including any incompatibilities

STORAGE PRECAUTIONS: Store in a cool, dry area away from children and pets and away from heat, sparks and open

flame. Do not transport or store below 32°F. Exposure to temperatures above 130°F may cause bursting.

WORK/HYGIENIC PRACTICES: Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

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SECTION 8: Exposure controls/personal protection

Control parameters

1. Isobutane (CAS: 75-28-5 EC: 200-857-2)

TLV® (Inhalation): 1,000 ppm (ACGIH)

Central Nervous System impairment. Cardiac sensitization

REL-TWA (Inhalation): 800 ppm. 1,900 mg/m³ (NIOSH)

Central Nervous System impairment. Cardiac sensitization

2. Propane (CAS: 74-98-6)

PEL (Inhalation): 1000 ppm; US (US/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 1800 mg/m³; US (US/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 1000 ppm; US (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 1000 ppm; US (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

3. Distillates, petroleum, hydrotreated light (CAS: 64742-47-8 EC: 265-149-8)

TLV® (Inhalation): 200 mg/m³ (ACGIH)

4. Mineral oil (CAS: 8042-47-5 EC: 232-455-8)

TWA [White mineral oil] (Inhalation): 5 mg/m³; USA (ACGIH)

USA. ACGIH Threshold Limit Values

(TLV)

ST [White mineral oil] (Inhalation): 10 mg/m³; USA (OSHA)

USA. NIOSH Recommended Exposure Limits

TWA [White mineral oil] (Inhalation): 5 mg/m³; USA (NIOSH)

USA. NIOSH Recommended Exposure Limits

TWA [White mineral oil] (Inhalation): 5 mg/m³; USA (OSHA)

USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air

Contaminants

PEL [White mineral oil] (Inhalation): 5 mg/m³; USA (Cal/OSHA)

California permissible exposure limits for chemical contaminants (Title 8, Article 107)

Appropriate engineering controls

Components with limited values that require monitoring at the workplace: Not required.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Not required with normal use, unless label directs otherwise.

Skin protection

Wear protective gloves.

Body protection

When using, do not eat, drink or smoke.

Respiratory protection

Use in accordance with product label.

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SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	White to off white; Aerosol
Odor	Mild, mothball-like
Odor threshold	No information available.
pH	4.7
Melting point/freezing point	No information available.
Initial boiling point and boiling range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Vapor pressure	No information available.
Vapor density	No information available.
Relative density	7.92 lb/gal @ 25°C
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity	No information available.
Additional properties	
Physical state	Liquid
Color	White to off white

SECTION 10: Stability and reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under normal temperatures and pressures.

Possibility of hazardous reactions

No dangerous reactions known.

Conditions to avoid

Excessive heat and sources of ignition.

Incompatible materials

Isobutane: Strong oxidizing agents

Distillates, petroleum, hydrotreated light: Strong oxidizing agents, Strong bases, Strong acids, Amines

Hazardous decomposition products

Mineral oil: Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

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Acute toxicity

Distillates, petroleum, hydrotreated light

LD50 Oral - Rat - > 5000 mg/kg

LD50 Skin - Rabbit - > 5,000 mg/kg

LC0 Inhalation - Rat - 4951 mg/m³ - 4 h

Result: Based on results obtained from tests on analogous products

Result: May be fatal if swallowed and enters airways.

Result: Carcinogenicity study in rates (OECD 451): Negative

Result: Bioconcentration factor (BCF): no data available. Partition co-efficient (Log Pow): 3-6

Result: Readily biodegradable. Does not hydrolyze

NOEC - Daphnia magna (water flea) - >1000 mg/l - 21 d

LC0 - Oncorhynchus mykiss (rainbow trout) - >1000 mg/l - 96 h

EC0 - Daphnia magna (water flea) - >1000 mg/l - 48 h

IC0 - Pseudokirchneriella subcapitata (green algae) - >1000 mg/l - 72 h

NOEC - Oncorhynchus mykiss (rainbow trout) - >1000 mg/l - 28 d

EC50 - Tetrahymena pyriformis - >1000 mg/l - 48 h

Rabbit

Result: Not irritating to eyes

Result: Not mutagenic.

Result: No data available

Result: The product is not expected to be sensitizing

Rabbit

Result: Irritating

Result: No data available

Result: May cause drowsiness or dizziness. - Central nervous system

White mineral oil

LD50 Oral - Rat - >5,000 mg/kg

LD50 Inhalation - Rat - 5 mg/l - 4 h

LD50 Skin - Rabbit - >2,000 mg/kg

Result: 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.

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.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

LC50 - Oncorhynchus mykiss (rainbow trout) - >100 mg/l - 96 h

LC50 - Daphnia magna (water flea) - >100 mg/l - 48 h

Skin corrosion/irritation

Causes mild skin irritation.

Serious eye damage/irritation

Causes eye irritation.

Respiratory or skin sensitization

May be harmful if inhaled.

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Germ cell mutagenicity

Permethrin did not produce any mutagenic effects when tested in the Ames test.

Carcinogenicity

NTP: No IARC: No OSHA: No

CHRONIC/CARCINOGENICITY: A statistically significant increase in the incidence of lung and liver tumors was observed in female mice receiving diets containing 375 and 750 mg/kg/day of permethrin technical over 85 weeks.

Reproductive toxicity

No information available.

Specific target organ toxicity (STOT) - single exposure

No information available.

Specific target organ toxicity (STOT) - repeated exposure

No information available.

Aspiration hazard

No information available.

SECTION 12: Ecological information

Toxicity

Distillates, petroleum, hydrotreated light

NOEC - Daphnia magna (water flea) - >1000 mg/l - 21 d

LC0 - Oncorhynchus mykiss (rainbow trout) - >1000 mg/l - 96 h

EC0 - Daphnia magna (water flea) - >1000 mg/l - 48 h

IC0 - Pseudokirchneriella subcapitata (green algae) - >1000 mg/l - 72 h

NOEC - Oncorhynchus mykiss (rainbow trout) - >1000 mg/l - 28 d

White mineral oil

LC50 - Oncorhynchus mykiss (rainbow trout) - >100 mg/l - 96 h

LC50 - Daphnia magna (water flea) - >100 mg/l - 48 h

This product is highly toxic to fish.

Other adverse effects

Do not apply directly to water. Do not contaminate water by disposal of wastes.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

PRODUCT DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

Packaging disposal

Do not incinerate or puncture. If empty: Place in trash or offer for recycling if available. This container may be recycled in aerosol recycling centers. At present, there are only a few such centers, in the country. Before offering for recycling, empty the can by using the product according to the label.

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SECTION 14: Transport information

DOT (US)

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question**Massachusetts Toxic Use Reduction Act (TURA) list**

Chemical name: 3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane carboxylic acid, (3-phenoxy-phenyl)methyl ester

CAS number: 52645-53-1

TRI listing: X-reportable; CERCLA listing: unlisted; TURA-only listing: no; de minimis concentration threshold: 1 percent. Changes: Added to TURA and TRI RY1995

New Jersey Right To Know Components

Common name: Permethrin

CAS number: 52645-53-1

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Permethrin

CAS number: 52645-53-1

Asterisk: no; Refs: 8

Water hazard class (WGK, Germany)

Chemical name: Permethrin, cas number: 52645-53-1

WGK hazard class: WGK 3 - Extremely hazardous to water

Minnesota Chemicals of High Concern (Minn. Stat. 116.9401)

Chemical name: Permethrin

CAS number: 52645-53-1

Hlth: liver

New Jersey Right To Know Components

Common name: Isobutane

CAS number: 75-28-5

Listing note: F4-flammable 4th deg.

Pennsylvania Right To Know Components

Chemical name: Propane, 2-methyl-

CAS number: 75-28-5

Canadian Domestic Substances List (DSL)

Chemical name: Propane, 2-methyl-

CAS: 75-28-5

US EPA TSCA public inventory

Chemical name: Propane, 2-methyl-

CAS number: 75-28-5

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Isobutane

CAS number: 75-28-5

Asterisk: no; Refs: 6

Water hazard class (WGK, Germany)

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Chemical name: Isobutane, cas number: 75-28-5
WGK hazard class: nwg - Not hazardous to water

Maine Chemicals of Concern (COC, 38 MRSA §1693(2))

Chemical name: Isobutane (containing 0.1 % butadiene (203-450-8))
CAS number: 75-28-5

Minnesota Chemicals of High Concern (Minn. Stat. 116.9401)

Chemical name: Isobutane (containing 0.1 % butadiene (203-450-8))
CAS number: 75-28-5
Hlth: cancer

New Jersey Right To Know Components

Common name: Propane
CAS number: 74-98-6
Listing note: F4-flammable 4th deg.

Pennsylvania Right To Know Components

Chemical name: Propane
CAS number: 74-98-6

Canadian Domestic Substances List (DSL)

Chemical name: Propane
CAS: 74-98-6

US EPA TSCA public inventory

Chemical name: Propane
CAS number: 74-98-6

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Propane
CAS number: 74-98-6
Asterisk: no; Refs: 2,4,5,6

Water hazard class (WGK, Germany)

Chemical name: Propane gas, cas number: 74-98-6
WGK hazard class: nwg - Not hazardous to water

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard for: Distillates, petroleum, hydrotreated light.

US EPA TSCA public inventory

Chemical name: Distillates (petroleum), hydrotreated light
CAS number: 64742-47-8

Water hazard class (WGK, Germany)

Chemical name: Distillates, petroleum, hydrotreated light, cas number: 64742-47-8
WGK hazard class: WGK 1 - Slightly hazardous to water

SARA 311/312 Hazards

No SARA Hazards for: Mineral oil.

SARA 313 Components

This material [Mineral oil] 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.

SARA 302 Components

No chemicals in this material [Mineral oil] are subject to the reporting requirements of SARA Title III, Section 302.

US EPA TSCA public inventory

Chemical name: White mineral oil (petroleum)
CAS number: 8042-47-5

Water hazard class (WGK, Germany)

Chemical name: Mineral oil, cas number: 8042-47-5
WGK hazard class: WGK 1 - Slightly hazardous to water

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Chemical Safety Assessment

REGULATIONS UNDER FIFRA: All pesticides are governed under FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act). Therefore, the regulations presented below are pertinent only when handled outside of the normal use and applications of pesticides. This includes waste streams resulting from manufacturing/formulation facilities, spills or misuse of products, and storage of large quantities of products containing hazardous or extremely hazardous substances.

EPA Registration Number: 1021-2685-7401

OTHER U.S. FEDERAL REGULATIONS:

Chemical Name RCRA-U Series

Waste:

Clean Water Act Hazardous

Substances:

Clean Water Act

Section 307:

Permethrin *

(52645-53-1)

None Not Listed Not Listed

Others ** None Not Listed Not Listed

Chemical Name SARA 313

Chemicals:

SARA Section 302: CERCLA reportable

Quantity (RQ):

Permethrin*

(52645-53-1)

1.0% de minimis

concentration

Not Listed None

Others ** None Not Listed None

SARA (311. 312)

Immediate Health: Yes

Chronic Health: No

Fire: Yes

Sudden Pressure: Yes

Reactivity: No

Chemical Name IARC – Group 1

(Carcinogenic to humans)

IARC – Group 2

(Probably carcinogen)

IARC- Group 2B

(possibly carcinogenic)

NTP

Carcinogen List

Permethrin *

(52645-53-1)

No No No Not Listed

Others ** No No No Not Listed

STATE REGULATIONS: Each state may promulgate standards more stringent than the federal government.

Therefore, the user should consult state or local authorities. The state regulations reviewed include: California Proposition 65, California Directors List of Hazardous Substances, Massachusetts Rights to Know, Michigan Critical Materials List, New Jersey Right to Know, Pennsylvania Right to Know, Rhode Island Right to Know and the Minnesota Hazardous Substance list. For Washington State Right to Know see Section 2 for Exposure Limit

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Information. For Louisiana Right to Know refer to SARA information Listed under U.S. Regulations above.

Chemical Name California

Proposition 65

California Directors

List of Hazardous

Substances

NJ Environmental

Hazardous

Substances List

Permethrin *

(52645-53-1)

Not Listed Not Listed Not Listed

Others ** Not Listed Not Listed Not Listed

Chemical Name MN Hazardous

Substance list

MA Rights to Know MI Critical Materials

List

Permethrin *

(52645-53-1)

Not Listed Present Not Listed

Others ** Not Listed Not Listed Not Listed

Chemical Name NJ Right to Know PA Right to Know RI Right to Know

Permethrin *

(52645-53-1)

Not Listed Not Listed Not Listed

Others ** Not Listed Not Listed Not Listed

California proposition 65: Not Listed

TSCA Inventory List – Registered pesticide, exempt from TSCA

Chemical Name Canada NDSL

Inventory List

Canada DSL Inventory

List

EINECS Inventory

List

Permethrin *

(52645-53-1)

Not Listed Not Listed Present/258-067-9

Others ** Not listed Present (64742-47-8;

8042-47-55)

Present/265-149-8;

232-445-8

CANADIAN REGULATIONS:

NFPA HAZARD RATING - HEALTH: 1 Slight

- FIRE: 1 Slight

- REACTIVITY: 0 Negligible

- SPECIAL: -

RATINGS:

(Least-0, Slight-1, Moderate-2, High-3, Extreme-4).

These values are obtained using professional judgment. Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with the information contained in the product MSDS.

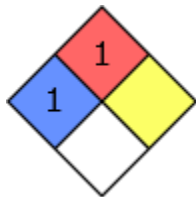
* RQ: Reportable Quantity

** RCRA waste codes must be determined on a case-by-case basis (i.e., spill, processing waste, etc.).

For information regarding potential adverse health effects from exposure to this product, refer to Sections 3 and 11.

NFPA Rating

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SECTION 16: Other information

Further information/disclaimer

Voluntary Purchasing Groups, Inc. believes the information presented herein is accurate and correct as of the document date. The presented information is based upon available data from reliable sources. Voluntary Purchasing Groups, Inc. makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.