

SHOCK1 WAVE1®

Flushing, Killing & Residual Aerosol

Specimen Label

- Kills cockroaches
- Flushes German cockroaches
- Dual killing agents
- Dual synergized
- Contains NyGuard® IGR
- Can be used indoors and outdoors
- For use in food areas of food handling establishments and facilities

ACTIVE INGREDIENTS:

Pyrethrins.....	0.50%
* Piperonyl butoxide.....	1.00%
** N-Octyl bicycloheptene dicarboximide (MGK® 264®).....	1.50%
Bifenthrin.....	0.05%
2-[1-methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine (pyriproxyfen).....	0.20%
*** OTHER INGREDIENTS	96.75%
	100.00%

*Equivalent to (butylcarbityl) (6-propylpiperonyl) ether and related compounds.

**MGK® 264®, Insecticide Synergist

***Contains petroleum distillates



KEEP OUT OF REACH OF CHILDREN
CAUTION
See Inside for First Aid And Precautionary Statements

Kills: Cockroaches

Kills or controls: Fleas, fruit flies, stable flies, house flies, small flying moths, ants (excluding fire and carpenter), centipedes, crickets, scorpions, spiders, earwigs, boxelder bugs, silverfish, springtails, moths, Indian Meal Moths, Angoumois Grain Moths, carpet beetles, confused flour beetles, sawtoothed grain beetles, granary weevils, rice weevils, red flour beetles, grain mites, booklice, millipedes, sowbugs, pillbugs, clover mites, fowl mites, and bird mites.

Use Sites: Food and Non-food areas of Restaurants, Commercial Buildings and Homes, Food Processing Plants, Food Warehouses, Grocery Stores and Supermarkets, Schools, Nursing homes, Hospitals, Office Buildings, Apartments, Hotels and Motels, Tobacco Plants and Warehouses, Manufacturing Plants, Commercial and Industrial Buildings, Transportation Equipment such as Automobiles, Boxcars, Buses, Boats, Trucks, Railcars, Ship Cargo Holds, Planes (cargo areas only), Animal Holding Areas, Animal Quarters, Barns, Beef and Dairy Barns, Farm Structures, Milking Rooms, Hog Barns, Horse Stables, Pet Sleeping Areas, Poultry Barns, Kennels, Meat and Poultry Processing Plants.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

PRODUCT RESTRICTIONS:

• **THIS PRODUCT IS NOT FOR USE ON HUMANS OR ANIMALS.**

- DO NOT spray this product into electrical equipment or outlets.
- In the home, all food/feed processing surfaces and utensils should be covered during treatment, or thoroughly washed before use. Cover or remove exposed food/feed and drinking water.
- Remove pets, birds and cover fish aquariums before spraying.
- This product will not stain water-safe fabrics and surfaces, however care should be taken to test an inconspicuous area for staining prior to use.
- Direct Application to food contact surfaces is prohibited.
- DO NOT allow adults, children or pets to enter treated area until sprays are dry.
- DO NOT allow adults, children or pets to enter until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- DO NOT apply this product in a way that will contact workers or other persons either directly or through drift.
- DO NOT apply to plants or crops.

- DO NOT treat areas when occupants are present.
- DO NOT wet articles to the point of runoff or drip.
- DO NOT use treated articles until spray has dried.
- DO NOT allow people or pets to come in contact with treated surfaces until dry.
- Outdoor applications are limited to spot treatments to exterior building surfaces.
- Do not enter or allow others to enter until sprays have dried.
- Do not use in aircraft cabins.
- Only protected handlers may be in the area during application.
- Do not make applications during rain.
- Do not remain in the treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.
- When used in dairy barns or facilities, close milk bulk lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.

SHAKE WELL BEFORE EACH USE.
HOLD CONTAINER UPRIGHT WITH NOZZLE POINTED AWAY FROM YOU.
PRESS VALVE AND SPRAY TARGET AREA OF SPACE. USE THE CONVENIENT APPLICATOR FOR CRACK AND CREVICE TREATMENT.

HOW TO USE

INDOOR APPLICATIONS: This product can be used indoors as a spot, crack & crevice or space spray application.

OUTDOOR APPLICATIONS: This product can only be used outdoors under eaves or as a spot treatment on the exterior of buildings.

USE IN CRACKS AND CREVICES: Use the convenient crack and crevice tool for applications. Insert the tool into cracks and crevices, holes, small openings and apply at the rate of 1 second per 3 linear feet. For wall void applications apply at the rate of 2 seconds per 1,000 cu. ft. Apply the product in a manner that adequately treats the void space.

USE AS A SPACE SPRAY: Treatments should be performed in a manner that provides adequate treatment of the space. Calculate the cu. ft. to be treated and use the rate of 2 to 5 seconds per 1,000 cu. ft. Ventilate treated areas before reoccupying.

COMMON USE SITES

FOOD AND NON-FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS: Do not apply more than 1 time per day. When applying as a space spray, food operations should be shut down, all food and utensils or surfaces that might come in contact with food should be covered, removed or thoroughly cleaned if covering or removal is not possible.

FOOD AND NON-FOOD AREAS IN RESIDENTIAL HOMES: Remove or cover exposed food and drinking water before application. Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces or wash them before use.

FEDERALLY INSPECTED MEAT AND POULTRY PLANTS: When using this product apply only when processing area is not in operation. Foods should be removed or disposed of if contacted by product.

HOSPITALS AND NURSING HOMES: Do not apply this product in hospital rooms while occupied. Apply according to specific directions for pest(s) to be treated. Patients should be removed from room prior to treatment. Room should be thoroughly ventilated after spraying. Do not return patients to room until after ventilation and all treated surfaces have dried.

PLANES: Do not apply in aircraft cabins.

TRANSPORTATION EQUIPMENT: Do not apply when in use. Treat walls and floors and harborage areas, when not in use.

INDOOR USE

CRAWLING INSECTS: For pests including: ants (excluding fire and carpenter), centipedes, crickets, fleas, spiders, scorpions, silverfish, millipedes, sowbugs and pillbugs. Apply as a crack and crevice treatment into cracks and crevices in all harborage areas including cabinets, meter boxes, sinks, behind and beneath refrigerators, behind baseboards and behind counter tops at the rate of 20 seconds per 100 sq. ft. When applying the product to cockroaches, harvester ants, Argentine ants, pharaoh ants, centipedes and/or scorpions, directly spray the pests.

TO FLUSH AND KILL: Crickets, earwigs, German cockroaches, boxelder bugs, silverfish, springtails, moths, Angoumois Grain Moths, carpet beetles, confused flour beetles, sawtoothed grain beetles, granary weevils, rice weevils, red flour beetles, millipedes, clover mites, foul mites, and bird mites: Apply as a spot or crack and crevice application to areas where other listed crawling pests hide and travel, such as along baseboards, corners, storage areas, closets, around water pipes, cabinets, behind and under refrigerators, furniture, sinks, furnaces and stoves, the underside of shelves, drawers and similar areas.

FLYING INSECTS: For pests including black flies, house flies, horse flies, fruit flies, stable flies, fungus gnats and moths. When applying to house flies, black flies, horse flies and stable flies, directly spray the pest to ensure efficacy. Apply as a space treatment for other listed pests. Close all windows and doors and direct fog upward at a rate of 2 to 5 seconds per 1,000 cu. ft. Disperse evenly throughout the space. Keep area closed for 15 minutes. Open and ventilate before reoccupying. Treatment may be repeated daily if necessary.

TO KILL CARPET BEETLES AND CONTROL FLEAS: Apply as a spot treatment to cracks and crevices and around baseboards, furniture, floorboards and around edges of carpet. Apply at the rate of 20 seconds per 100 sq. ft. Apply enough product to get spray coverage to the bottom of the carpet and pad where larval stages may be feeding. Spray under rugs.

TO KILL STORED PRODUCT PESTS: Apply as a crack and crevices of cabinets, countertops, pantries, food handling equipment and other harborage areas.

TO CONTROL FLEAS IN LISTED PET AREAS: Remove and either launder or destroy pet's old bedding. To reduce infestation, thoroughly spray the animal's clean bedding and sleeping quarters. Apply as a spot treatment to cracks and crevices furniture, and around edges of carpet. Apply at the rate of 20 seconds per 100 sq. ft. Apply enough product to get spray coverage to the bottom of the carpet and pad where larval stages may be feeding. Spray under rugs. Allow treated areas to dry thoroughly before allowing pets to re-enter. For best results, pets should be treated with an EPA registered flea control product before they return to the treated area. **DO NOT TREAT PETS WITH THIS PRODUCT.**

OUTDOOR USE

BUILDING SURFACE TREATMENTS FOR INVADING PESTS SUCH AS: Boxelder bugs, stink bugs, ants (excluding fire and carpenter), silverfish, spiders, earwigs and springtails. Spot treatments may be made on outdoor structures such as entry ways, windows, weep holes, and behind siding. Apply at the rate of 1 second per 3 linear feet. Do not apply more than 1 time per day.

FIRST AID

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 SWALLOWED:

- Immediately call a poison control center or doctor.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN:

Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

HOTLINE NUMBER:

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this product (including health concerns, medical emergencies or pesticide incidents), you may call 1-888-740-8712.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt
- Long pants, and
- Shoes and socks.

USER SAFETY REQUIREMENTS

- Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to or near water. Drift and runoff may be hazardous to fish in water adjacent to treated areas. To protect the environment, do not allow pesticide to enter or runoff into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide of the treatment area. See Directions for Use for additional precautions and requirements. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are foraging in the treatment area.

PHYSICAL AND CHEMICAL HAZARDS

FLAMMABLE. Contents are under pressure. Do not use or store near heat, sparks or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Keep product from freezing. Do not apply this product in, on or around electrical equipment due to the possibility of shock hazard.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE:

Do not store near heat or open flame. Store in cool dry area away from children. Keep from freezing.

PESTICIDE DISPOSAL:

Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

Do Not Puncture or Incinerate! **IF EMPTY:** Place in trash or offer for recycling if available. This container may be recycled in an aerosol recycling center. 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. **IF PARTLY FILLED:** Call your local solid waste agency for disposal instructions.

SHOCKWAVE¹

Flushing, Killing & Residual Aerosol

EPA Reg. No. 1021-2804
EPA Est. No. 1021-MN-2
Rev. 0418-0518



Federal regulations prohibit CFC propellants in aerosols

MGK

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SAFETY DATA SHEET

Issue Date: 30-Nov-2018

Revision Date: 30-Nov-2018

Version: 4

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name: Shockwave® 1 Flushing, Killing & Residual Aerosol

EPA Registration Number: 1021-2804

Other means of identification

Recommended use of the chemical and restrictions on use:

Recommended Use: A Liquefied Aerosol Insecticide Spray.

Details of the supplier of the safety data sheet

Manufacturer Address: McLaughlin Gormley King Company
 8810 10th Avenue North
 Minneapolis, MN 55427
Telephone Number: (800) 645-6466, or (763) 544-0341
e-Mail Address: mgk-sds@mgk.com

FAX #: (763) 544-6437

Emergency telephone numbers:

24 Hour TRANSPORTATION Emergency: CHEMTREC®: (800) 424-9300
International: (703) 527-3887

24 Hour MEDICAL Emergency: SafetyCall®: (888) 740-8712, or (952) 852-9509

Comments: MGK® Hours of operation are 8:00 a.m. to 4:30 p.m. CST, 14:00 to 22:30 GMT.
 For MEDICAL EMERGENCIES or PESTICIDE INCIDENTS, call 24 hours a day to
 (888) 740-8712, or (952) 852-9509.

2. HAZARDS IDENTIFICATION

Classification:

OSHA Regulatory Status:

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Aspiration toxicity	Category 1
Flammable aerosol	Category 1
Gases under pressure	Liquefied gas

Label elements

Emergency Overview

DANGER

Hazard statements

- H304 - May be fatal if swallowed and enters airways
- H332 - Harmful if inhaled

- H222 - Extremely flammable aerosol
- H280 - Contains gas under pressure; may explode if heated



Appearance: Clear , light yellow

Physical state: Aerosol -
Compressed liquefied gas.

Odor Alcohol:

Precautionary Statements - Prevention:

- P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 P211 - Do not spray on an open flame or other ignition source
 P251 - Pressurized container: Do not pierce or burn, even after use
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
 P271 - Use only outdoors or in a well-ventilated area

Precautionary Statements - Response:

- P321 - Specific treatment (see Section 4/ First Aid).
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 P331 - Do NOT induce vomiting

Precautionary Statements - Storage:

- P405 - Store locked up
 P410 + P403 - Protect from sunlight. Store in a well-ventilated place
 P411 - Do not expose to temperatures exceeding 50 °C / 122 °F

Precautionary Statements - Disposal:

- P501 - Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC):

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Pyrethrins	8003-34-7	0.50
Piperonyl Butoxide (PBO)	51-03-6	1.00
MGK®-264 Insecticide Synergist (n-Octyl bicycloheptene dicarboximide)	113-48-4	1.50
Bifenthrin	82657-04-3	0.050
Pyriproxyfen (NYLAR®)	95737-68-1	0.20
Petroleum distillates, hydrotreated light	64742-47-8	10<---->15 *
Isopropyl alcohol	67-63-0	10<---->15 *

*The exact percentage (concentration) of composition has been withheld as a trade secret

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

4. FIRST AID MEASURES

Aspiration pneumonia hazard: • May be fatal if swallowed and enters airways.

Description of first aid measures:

Eye contact:	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.
Skin Contact:	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.
Ingestion:	If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. DO NOT give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.
Inhalation:	Remove affected 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.
Self-protection of the First Responder:	Remove all sources of ignition. Use personal protective equipment as required.
Note to physicians:	Contains petroleum distillates – vomiting may cause aspiration pneumonia. For skin effects, a highly efficient therapeutic agent for Pyrethrin/ Pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:

Caution: Use of water spray when fighting fire may be inefficient.

Hazardous combustion products: Carbon monoxide, Carbon dioxide (CO₂).

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Protective equipment and precautions for firefighters:

In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Personal precautions:** Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Keep people away from and upwind of spill/leak. Use personal protective equipment as required.
- Environmental precautions:** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

- Methods for containment:** Prevent further leakage or spillage if safe to do so.
- Methods for cleaning up:** Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

- Advice on safe handling:** Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. For more information, see product label.

Conditions for safe storage, including any incompatibilities

- Storage Conditions:** Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. For more information, see product label.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Supplier OEL
Pyrethrins 8003-34-7	TWA: 5 mg/m ³	TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³	IDLH: 5000 mg/m ³ TWA: 5 mg/m ³	-
Petroleum distillates, hydrotreated light 64742-47-8	-	-	-	TWA: 100 ppm TWA: 525 mg/m ³
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³	-

NIOSH IDLH

Immediately Dangerous to Life or Health

Appropriate engineering controls

Engineering Controls: Safety showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection: Protective eyewear is recommended, but is not required.

Skin and body protection: Protective gloves are recommended, but are not required.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations: When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical state: Aerosol - Compressed liquefied gas.
Appearance: Clear , light yellow
Odor Alcohol:
Odor threshold: No information available
Color (Gardner Scale): 1

Property: **Values:**
pH: 4.8
Melting point / freezing point: No information available
Boiling point / boiling range: No information available
Flash point: 16.1 °C / 61.0 °F

Comment: • Method
@ 5% in H₂O

Tag Closed Cup; Test was performed on aerosol Non-Volatile's;

Evaporation rate: No information available
Flammability (solid, gas): No information available
Upper flammability limit (UEL): No information available
Lower flammability limit (LEL): No information available
Vapor pressure: No information available
Vapor density: No information available
Specific Gravity: No information available
Water solubility: No information available
Partition coefficient; n-Octanol/ Water: No information available
Autoignition temperature: No information available
Decomposition temperature: No information available
Kinematic viscosity: No information available
Dynamic viscosity: 7.5 cPs
Refractive Index: 1.4072

@ 21.1 °C
@ 25.0 °C

Other Information:

Density: 0.807 g/cm³ @ 20.0 °C
VOC Content (%): 14.0

Miscibility/ Solubility:

Water:	Partially miscible
Alcohol:	Miscible
Aromatic solvents:	Miscible
Petroleum distillates:	Miscible

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials:

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide, Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Numerical measures of toxicity - Product Information

Oral LD ₅₀	>5,000 mg/kg (rat)
Dermal LD ₅₀	>5,000 mg/kg (rabbit)
Inhalation LC ₅₀	>2.10 mg/L, (rat; 4 hours)
Eye contact:	Non-irritating to eyes. (rabbit).
Skin Contact:	Slightly irritating. Irritation cleared within 7 days. (rabbit).
Skin Irritation Index:	1.9

Sensitization: Negative. (guinea pig).

Piperonyl Butoxide: Marginally higher incidences of benign liver tumors in mice were observed following lifetime high dose exposures to PBO. The significance of these observations is questionable and under review. The doses at which tumors were observed for PBO greatly exceeded potential human exposure from labeled uses. Doses at which these effects were observed greatly exceeded anticipated human dietary intake. At anticipated dietary exposure levels, it is highly unlikely that this product will result in carcinogenic effects.

Carcinogenicity/ Oncogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity:	No information available.
Developmental Toxicity	No information available.
Teratogenicity:	No information available.
STOT - single exposure:	No information available.
STOT - repeated exposure:	No information available.

Chronic toxicity: Avoid repeated exposure.
Target Organ Effects: Eyes, Respiratory system, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Persistence and degradability
 No information available.

Bioaccumulation
 No information available.

Chemical Name	Partition coefficient; n-Octanol/ Water:
Isopropyl alcohol 67-63-0	0.05

Other adverse effects: No information available

Environmental hazards (EPA):

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations. For more information, see product label.

Contaminated packaging: For more information, see product label.

14. TRANSPORT INFORMATION

DOT (Department of Transportation)

UN/ID Number: UN1950
Proper Shipping Name: Aerosols, flammable, Limited Quantity
Hazard Class: 2.1

Air (IATA/ ICAO)

UN/ID Number: UN1950
Proper Shipping Name: Aerosols, flammable
Hazard Class: 2.1

Vessel (IMO/ IMDG) Not available

15. REGULATORY INFORMATION

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Isopropyl alcohol - 67-63-0	1.0

SARA 311/312 Hazard**Categories**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	Yes
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Pyrethrins 8003-34-7	1 lb	-	-	-

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ):
Pyrethrins 8003-34-7	1 lb	-	RQ 1 lb final RQ RQ 0.454 kg final RQ

US State Regulations:**California Proposition 65:**

This product does not contain any intentionally added Proposition 65 chemicals

U.S. EPA Label Information:

EPA Registration Number: 1021-2804

Difference between SDS and EPA (FIFRA) Pesticide label:

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. The hazard information required on the pesticide label is reproduced below:

Signal word: **CAUTION**

International Inventories:

TSCA Complies

DSL/NDSL	Complies
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION.

NFPA	Health hazards 2	Flammability 3	Instability 0	Physical and Chemical Properties
HMIS	Health hazards 1	Flammability 4	Physical hazards 0	Personal protection X

Chronic Hazard Star Legend * = Chronic Health HazardIssue Date:
30-Nov-2018Revision Date:
30-Nov-2018Revision Note:
- SDS sections updated
- 14SDS Prepared By:
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End of Safety Data Sheet.