



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

March 26, 2024

Susan Westra
Product Registration Manager
Chem Tec, Ltd. – Neogen Regulatory
620 Leshar Place
Lansing, MI 48912

Subject: Label Amendment - Registration Review Mitigation for Permethrin
Product Name: PERMETHRIN 1% LIQUID WITH SYNERGIST
EPA Registration Number: 47000-151
Application Date: 3/24/2021
Decision Number: 572486

Dear Susan Westra:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Permethrin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

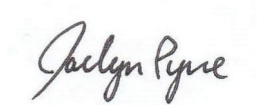
Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling

before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Carolyn Smith by phone at (202) 566-2273, or via email at smith.carolyn@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Jaclyn Pyne". The signature is written in a cursive, flowing style.

Jaclyn Pyne, Team Leader
Risk Management and Implementation Branch 3
Pesticide Re-Evaluation Division
Office of Pesticide Programs

ENCLOSURE: Stamped label

Permethrin 1% Liquid with Synergist

For use on beef cattle, lactating and non-lactating dairy cattle, calves and sheep to control flies,
lice, fleas, and sheep keds
For Indoor and Outdoor Use

ACTIVE INGREDIENTS:

Permethrin* 1.00%
Piperonyl Butoxide** 1.00%

OTHER INGREDIENTS***: 98.00%

TOTAL 100.00%

* cis/trans ratio: Min 35% (+/-) trans and Max 65% (+/-) cis.

** Contains (Butylcarbityl)(6 propylpiperonyl) ether and related compounds

***Contains Petroleum Distillates

EPA Reg. No. 47000-151

EPA Est. No. 47000-IA-01

EPA Est. No. 61282-WI-01

EPA Est. No. 66171-CA-001

EPA Est. No. 66171-TN-001

[(First letter of batch number indicates establishment)]

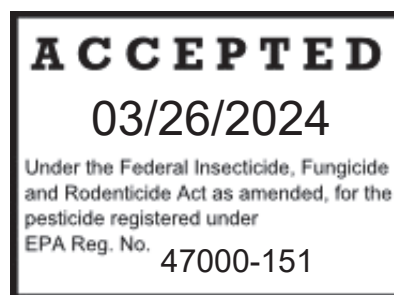
KEEP OUT OF REACH OF CHILDREN

CAUTION

See [inside, side, front, back] [panels, booklet, leaflet] for [First Aid and] additional Precautionary Statements

Net Contents:

1 gallon (3.785L)
2.5 gallons (9.464L)
55 gallons (18.927L)
250 gallons (946.353L)



Manufactured by:
Chem-Tech, Ltd.
1006 Business Hwy 5
Pleasantville, IA 50225

{**Note to Reviewer:** Items in [brackets] represent optional language. Standard measurements may be abbreviated or written out. "[This product]" supports the addition of the product brand name, which must be formatted in a size consistent with the surrounding body text. For brand names used in body text, **bold**, *italic*, and/or ALL CAPITALS is also permitted. Additional/optional marketing statements are listed on the last page(s) of this label. Section headers may be centered or formatted for emphasis, consistent with general label layout.}

{**Note to Reviewer:** First Aid statement may be formatted without bullets or as paragraph(s)}

FIRST AID	
If Inhaled:	<ul style="list-style-type: none">• 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.
If on Skin or on clothing:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for further treatment advice.
If Swallowed:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice or transport the patient to the nearest hospital.• Do not give any liquid to the patient.• Do not administer anything by mouth to an unconscious person.• Do not induce vomiting unless told to do so by the poison control center or doctor.
NOTE TO PHYSICIAN: Contains petroleum distillate. May cause aspiration pneumonia hazard.	
Have product container or label with you when calling a poison control center, or doctor, or going in for treatment. For 24-hour emergency information on this product, call 1-800-498-5743 (US & Canada) or 1-651-523-0318 (all other areas)	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor or spray mist.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to aquatic organisms including fish and invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean water mark. Do not apply when weather conditions favor drift from treated areas. Drift and run-off may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through run-off. This product has a potential for run-off for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce run-off that contains this product.

This product is highly toxic to bees and other pollinating insects exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees or other pollinating insects are foraging the treatment area.

Personal Protective Equipment (PPE):

Mixers, loaders, applicators, and other handlers must wear:

- Long-sleeved shirt and long pants;
- Shoes plus socks;

- Chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber, or Viton;
- Chemical-resistant apron for mixers, loaders, persons cleaning equipment, and for handlers performing animal dip operations.

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions or 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 this product's concentrate. Do not reuse them.

User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

DIRECTIONS FOR USE

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

READ THIS LABEL: Read this entire label and follow all use directions, use restrictions and precautions.

For Indoor and Outdoor Use

USE RESTRICTIONS

- Do not contaminate food or feedstuffs.
- Not for use in metered release systems.
- Not for use in residential misting systems (indoor or outdoor).
- Not registered in the State of California for the control of Sheep Keds or Lice on Sheep.
- Do not make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours).
- Rainfall within 24 hours after application may cause unintended runoff of pesticide application.
- Do not apply or irrigate to the point of run-off.
- Treat surfaces to ensure thorough coverage but avoid runoff.
- To treat insects harbored in voids and crack-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated surfaces and plants.
- Except when applying to non-domestic animals (livestock), do not enter or allow others to enter treated area until sprays have dried.
- Except when applying to non-domestic animals (livestock), do not enter or allow others to enter treated area until vapors, mists and aerosols have dispersed and the treated area has been thoroughly ventilated.
- Except when applying to livestock, do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Except when applying to livestock, only protected handlers may be in the area during application.

- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.
- All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:
 1. Application to pervious surfaces such as soil, lawn, turf, and other vegetation;
 2. Perimeter band treatments of 7 feet wide or less from the base of a man-made structure to pervious surfaces (e.g. soil, mulch, or lawn);
 3. Application to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure;
 4. Application around potential exterior pest entry points into man-made structures such as doorways and windows, when limited to a band not to exceed one inch;
 5. Applications to vertical surfaces (such as the side of a man-made structure) directly above impervious surfaces (e.g., driveways, sidewalks, etc.), up to 2 feet above ground level;
 6. Applications to vertical surfaces directly above pervious surfaces, such as soil, lawn, turf, mulch or other vegetation) only if the pervious surface does not drain into ditches, storm drains, gutters, or surface waters.
- Spot treatments must not exceed two square feet in size (for example, 2ft by 1 ft or 4 ft by 0.5ft).
- Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitation can occur. Do not allow the product to enter any drain during or after application.
- Do not allow to enter indoor or outdoor drains. No permita la entrada a desagües internos o externos.



- Do not apply the product into fish pools, ponds, streams, or lakes. Do not apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.
- Do not allow the product to enter any drain during or after application.
- Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot treatment or crack-and-crevice treatment.
- When used in dairy barns or facilities:
 - Close milk bulk tank 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.
- Do not use sponge to apply.

APPLICATION DIRECTIONS

<u>Apply To:</u>	<u>Target Insects:</u>	<u>Application Instructions:</u>
Lactating Dairy Cattle, Non-Lactating Dairy Cattle, Beef Cattle, Calves	Lice, Horn Flies. Aids in control of Horse Flies, Stable Flies, Mosquitoes, Black Flies and Ticks.	Pour along back line and down face. Apply ½ fl. oz. (15cc) per 100 lbs. body weight of animal, up to a maximum of 5 fl. oz. (at any one application) for any one animal. POUR ON USE: Pour on correct dose along back and down face. READY TO USE SPRAY: Use undiluted in a mist sprayer to apply the correct dose. Apply directly to neck, face, back, legs, and ears. BACKRUBBER USE: Mix one pint per gallon of #2 diesel or mineral oil. Keep rubbing device charged. Results are improved by daily forced use.
Sheep	Sheep Keds, Lice	Pour along back line and down face. Apply ¼ fl. oz. (7.5cc) per 50 lbs. body weight of animal, up to a maximum of 3 fl. oz. (at any one application) for any one animal.
Premises: In and around Horse, Beef, Swine, Sheep and Poultry Premises, Animal Hospital Pens and Kennels, and outside Meat Processing Facilities	Horse Flies, Stable Flies, Face Flies, Gnats, Mosquitoes, Black Flies, Fleas, Little House Flies (<i>Fannia</i> spp.). Aids in control of Cockroaches, Ants, Spiders, and Crickets	For use as a ready-to-use spot spray or premise spray: Use undiluted in a mist sprayer. Apply directly to surface to leave a residual insecticide coating, paying particular attention to areas where insects crawl or alight. One gallon will treat approximately 7300 square feet.

Apply ½ fl. oz. [of this product] per 100lbs. of body weight of animal, up to a maximum of 5 fl. oz. for any one animal to kill Lice, Horn Flies, and Face Flies. Aids in the kill [control] of Horse Flies, Stable Flies, Mosquitoes, and Black Flies on lactating and non-lactating dairy cattle, beef cattle, calves, and sheep. For sheep apply ¼ fl. oz. per 50lbs. of body weight of animal, up to a maximum of 3 fl. oz. for any one animal.

For Use as a Pour On:

Pour [this product] along back line and down face. For Keds on Sheep, pour along back line over neck, shoulders, and rump.

For Use as a Ready-to-Use Spray:

Use [this product] undiluted in a mist sprayer to apply correct does. Apply directly to neck, face, back, legs and ears.

For Pour On and Ready to Use Spray Applications [with this product]:

Repeat treatment as needed, but do not exceed 5 fl. oz. on cattle for any one animal, or 3 fl. oz. on sheep for any one animal, during any 14-day interval. For optimum insecticidal effectiveness against lice, a second treatment at a 14-day interval is recommended.

Backrubber Use:

Mix one pint [of this product] per gallon of #2 diesel or mineral oil. Keep rubbing device charged. For Backrubber applications, results are improved by daily forced use.

For cattle and sheep, repeat treatment as needed [with this product], but not more than once every two weeks. For optimum lice kill, two treatments at a 14-day interval are recommended.

Special Note: This product is not effective at controlling cattle grubs.

[This product] is an oil-based, ready-to-use product that may leave an oily appearance on the hair coat of some animals.

[This product] should be used in an integrated pest management system which may involve good sanitization, repeat treatments, and the use of other pest control practices.

Resistance Management Recommendations

For resistance management, Permethrin 1% Liquid with Synergist contains a Group 3A insecticide. Any insect population may contain individuals naturally resistant to Permethrin 1% Liquid with Synergist and other Group 3A insecticides. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of Permethrin 1% Liquid with Synergist or other Group 3A insecticides with different groups that control the same pests.
- Adopt an integrated pest management program for insecticide use.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Cooperative Agricultural Extension Agent or your local Neogen representative at 1-800-477-8201.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry and secure area. Store in original sealed container away from food or feed.

PESTICIDE DISPOSAL: Do not pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options.

CONTAINER DISPOSAL: *Non-refillable container.* Do not reuse or refill this container.

If empty: Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency for disposal instructions.

DISCLAIMER

[DISCLAIMER:] To the extent permitted by applicable law, Seller makes no representation or warranty, either express or implied, for results due to misuse, improper handling, or improper storage of this material. Nor does Seller assume any responsibility for injury to persons, crops,

animals, soil, or property arising out of misuse, improper handling, or improper storage of this material.

OR

LIMITED WARRANTY

To the extent permitted by applicable law, Neogen Corporation makes no warranty concerning uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label. To the extent by applicable law, Neogen Corporation shall not be liable for (1) any consequential, incidental, or special damages related in any way to this product or its uses, or (2) any damages related in any way to resistance to pesticides.

OR

CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitations of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

To the extent permitted by applicable law, Manufacturer and Seller warrant that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law, this warranty does not extend to the use of this product contrary to label instructions, under abnormal conditions, or under conditions not reasonably foreseeable to or beyond the control of Seller or Manufacturer, and Buyer and User assume the risk of any such use. To the extent permitted by applicable law, MANUFACTURER AND SELLER MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY, EXCEPT AS STATED ABOVE.

To the extent permitted by applicable law, in no event shall Manufacturer or Seller be liable for any incidental, consequential, or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES, OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY, OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF THE MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Manufacturer and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitations of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Manufacturer.

For non-emergency (e.g., current product information),
Call: **1-800-621-8829**

[Code (NG.ER.) NG.EU.]

[Chem-Tech, Ltd. is a wholly-owned subsidiary of Neogen Corporation]

Alternate Brand Names:

Prozap[®] Insectrin 1% Pour-On Xtra

Optional Marketing Statements/Graphics:

Kills Flies & Lice

[Controls] [listed insects]

Insecticide for [Cattle, Sheep, Swine, and Poultry] and their Premises

[For use] in and around [Horse, Beef, Swine, Sheep and Poultry Premises, Animal Hospital Pens and Kennels, and outside Meat-Processing Facilities]

Synergized Formula for Effective Kill

Synergized Permethrin

Ready-to-Use

Ready to Use as a Pour-On, Spray or Mist, or Mix for Backrubber Use

Kills Flies & Mosquitoes

[Can be Used] on Lactating Cattle

Manufactured in the U.S.A.

<American Flag Graphic>

{**Note to Reviewer:** References in optional marketing claims to [Listed animals/insects] may be replaced with specific animals/insects from this label, provided the claims are not misleading with regard to approved uses.}

<Sheep Graphic>

<Cow Graphic>

<Graphics of listed insects]

<Chem Tech logo>

<Neogen logo>

<Neogen Corporation logo>

<Neogen flask logo>

Example Company Logos:



Or

