Permectrin™ S
Synergized Formula
Ready-To-Use Pour-On & Spray Insecticide
Kills Flies, Lice and Ticks on Beef and Lactating Dairy Cattle, and Keds on Sheep.

NET CONTENTS: 1 Gallon (3.79 Liters)

ACTIVE INGREDIENTS
Permethrin (CAS # 52645-53-1) ..................................................1.0%
Piperonyl Butoxide (CAS # 51-03-6)* ........................................1.0%
*(Butylcarbityl)(6-propylpiperonyl) ether and related compounds
OTHER INGREDIENTS** .......................................................... 98.0%
**Contains petroleum distillate
TOTAL ..................................................100.0%

Keep Out of Reach of Children

CAUTION
See inside booklet for additional precautionary statements.

EPA Reg. No. 11556-178  EPA Est. No. 264-MO-3

Bayer HealthCare LLC, Animal Health Division
P.O. Box 390, Shawnee Mission, Kansas, 66201, U.S.A.

Bayer and the Bayer Cross are registered trademarks of Bayer.
Permethrin is a trademark of Bayer.
Permectrin™ S
Synergized Formula

Ready-To-Use Pour-On & Spray Insecticide
Treats Up To 25 Cows per Gallon
Kills Flies, Lice and Ticks On Beef and Lactating Dairy Cattle and Keds on Sheep

ACTIVE INGREDIENTS
- Permethrin (CAS # 9845-93-1) ................................................................. 1.00%
- Piperonyl Butoxide (CAS # 51-03-6) ...................................................... 1.00%
- OTHER INGREDIENTS**...................................................................... 98.00%
- *(butyaryl)(6-propyl)piperonyl) ether and related compounds
- **Contains petroleum distillate

EPA Reg. No. 11564-175 EPA Est. No. 208-MO-3

Keep Out of Reach of Children

CAUTION

FIRST AID
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.

If in eyes
- 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.

HOT LINE NUMBER
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
For additional information on this product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-422-9674, twenty four (24) hours per day, seven (7) days per week.

NOTE TO PHYSICIAN
Contains petroleum distillate — vomiting may cause aspiration pneumonia.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Contains petroleum distillate. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE)
Some materials that are chemical-resistant to this product are butyl rubber, neoprene rubber, or polyvinyl chloride (PVC). If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.
Mixers, loaders, applicators (except for hand-held foggers or fog/mist generator use indoor spaces), and other handlers must wear the following:
- Long-sleeved shirt;
- Long pants;
- Shoes and socks;
- Chemical resistant gloves for all handlers made of butyl rubber, neoprene rubber, or polyvinyl chloride (PVC); and
- Chemical-resistant apron for mixers/loaders, persons cleaning equipment, and persons exposed to the concentrate and for handlers performing animal dip applications.

In addition to the above PPE, applicators using hand-held foggers or fog/mist generators in indoor spaces must wear:
- Coveralls over long-sleeved shirt and long pants;
- Chemical-resistant gloves;
- Chemical-resistant footwear and socks;
- Chemical-resistant headgear, if overhead exposure; and
- A half-face, full-face, or hood-style NIOSH-approved respirator with a dust/mist filtering cartridge (MSHA/NIOSH approval number with prefix TC-210), a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a cartridge or canister with any N, R, P, or HE filter.

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 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.

ENVIRONMENTAL HAZARDS: This product is extremely toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and run-off may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash-waters or rinsate.
- This product may contaminate water through run-off. This product has a potential for run-off for several months or more after application. Poorly draining soils and soils with shallow water tables are prone to produce run-off that contains this product. Applying this product in calm weather when rain is not predicted for the next 24 hours will help assure that wind or rain does not blow or wash pesticide off 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 actively visiting the treatment area.

**PHYSICAL AND CHEMICAL HAZARDS:** Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

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

**USE RESTRICTIONS**

- Apply this product only as specified on this label.
- Do not contaminate food or feedstuffs.
- Do not use in aircraft cabins.
- This product is not for use in outdoor residential misting systems (indoor or outdoor), or in metered release misting systems.
- Do not make applications during rain.
- Do not breathe spray mist.
- Do not use this product directly on domestic (companion) animals (dogs, cats, puppies or kittens).
- Except when applying to livestock, do not enter or allow others to enter treated areas without at least 24 hours after the application is made.
- 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 treated area during application.
- Do not use in food/feed areas of food handling establishments, restaurants, or other areas where food is commercially processed or processed. Do not use in serving areas where food is served, such as dining rooms, but excluding areas where foods are prepared or held.
- 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.
- 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.
- Application of this product is prohibited directly into sewers or drains, or to any area like a gutter where drainage to storm sewers, storm drains, storm water bodies, or aquatic habitat can occur. Do not allow this product to enter any drain during or after application.
- Remove pets, birds, and cover fish aquariums and ornamental fish ponds before spraying, and turn aquarium systems off prior to use.

<table>
<thead>
<tr>
<th>APPLY TO</th>
<th>TARGET PESTS</th>
<th>APPLICATION INSTRUCTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beef Cattle, Lactating and Non-Lactating Dairy Cattle And Calves</td>
<td>Horn Flies, Face Flies and Lice</td>
<td><strong>Dosage:</strong> Apply 1/4 fl. oz. (15 ml) per 100 lbs. body wt. of animal up to a maximum of 5 fl. oz. for any one animal. For Pour-On and Ready-To-Use Spray applications, repeat treatment as needed, but do not exceed 5 fl. oz. during any 14 day interval. For optimum insecticidal effectiveness against lice, a second treatment at 14 day intervals is recommended. <strong>Pour-On:</strong> Pour correct dose along back and down face. <strong>Ready-To-Use Spray:</strong> Use undiluted in a mist sprayer to apply correct dose. <strong>Back Rubber Use:</strong> Mix 1 oz. per gallon of mineral oil. Keep rubbing device charged. Results are improved by daily forced use.</td>
</tr>
</tbody>
</table>
CONDITIONS OF SALE
The directions on this label were determined through research to be appropriate for the correct use of this product. This product has been tested under different environmental conditions both indoors and outdoors similar to those that are ordinary and customary where the product is to be used. Insufficient control of pests or plant injury may result from the occurrence of extraordinary or unusual conditions, or from failure to follow label directions. In addition, failure to follow label directions may cause injury to animals, man, and damage to the environment. To the extent permitted by applicable law, Bayer offers, and the buyer accepts and uses, this product subject to the conditions that extraordinary or unusual environmental conditions, or failure to follow label directions are beyond the control of Bayer and are, therefore, the responsibility of the buyer.

LIMITED WARRANTY AND LIMITATION OF DAMAGES
Bayer HealthCare LLC, Animal Health Division, warrants that this material conforms to the chemical description on the label. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY, and no agent of Bayer is authorized to do so except in writing with a specific reference to this warranty. To the extent consistent with applicable law any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values, etc.
Permethrin S Synergized Formula

ACTIVE INGREDIENTS
Permethrin (CAS # 52645-53-1) ........................................ 1.0%
Piperonyl Butoxide (CAS # 51-03-6)* ................................... 1.0%
*(Butylcarbitol)-propipiperonyl ether and related compounds
OTHER INGREDIENTS** .................................................. 98.0%
TOTAL .................................................. 100.0%

**Contains petroleum distillate

Keep Out of Reach of Children

CAUTION
See inside booklet for additional precautionary statements and Directions for Use.

PRECAUTIONARY STATEMENTS
Hazard to Humans and Domestic Animals
CAUTION: Harmful if absorbed through skin. Avoid contact with skin, eyes and clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling.

FIRST AID
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.

If in eyes
• 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.

HOT LINE NUMBER
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-422-9874, twenty four (24) hours per day, seven (7) days per week.

NOTE TO PHYSICIAN
Contains petroleum distillate — vomiting may cause aspiration pneumonia.

Environmental Hazards
This product is extremely toxic to aquatic organisms, including fish and invertebrates.
Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and run-off may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinseate.
This product may contaminate water through run-off. This product has a potential for run-off for several months or more after application. Poorly draining soils and soils with shallow water tables are prone to produce run-off that contains this product. Applying this product in calm weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash pesticide off 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 actively visiting the treatment area.

Physical and Chemical Hazards
Do not use or store near heat or open flame.

STORAGE AND DISPOSAL
Do not contaminate food, water or feed by storage or disposal
Pesticide Storage: Store in a cool, dry (preferably locked) place in an area that is inaccessible to children and animals. Protect from freezing. Store upright at room temperature. Avoid exposure to extreme temperatures.
Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
Container Disposal: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinseate into application equipment or a mix tank and store rinseate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available for reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Net Contents: 1 Gallon (3.785 Liters)
Bayer HealthCare LLC, Animal Health Division
P.O. Box 390, Shawnee Mission, Kansas 66201, U.S.A.
EPA Reg. No. 11556-178 EPA Est. No. 284-MO-3
80772157, R.O.

Bayer