Indoxacarb
(in-\textit{dox-ah-carb})

**Description:** Topical Agent to Treat Fleas

**Other Names for this Medication:** Activyl®

**Common Dosage Forms: Veterinary:** Activyl®: Cats: 2-9 lb & > 9 lb; Dogs: 4-14 lb, 14-22 lb, 22-44 lb, 44-88 lb, & 88-132 lb. **Human:** None.

This information sheet does not contain all available information for this medication. It is to help answer commonly asked questions and help you give the medication safely and effectively to your animal. If you have other questions or need more information about this medication, contact your veterinarian or pharmacist.

### Key Information
- Indoxacarb kills both adult fleas and larvae when they come into contact with your animal.
- The spot-on formulation is applied to the skin in one site for cats and small dogs, and applied to multiple spots for medium and large dogs.
- Do not wash or allow your pet to swim for 24-48 hours after application.
- **Activyl® Tick Plus** is a related formulation for dogs only; it is toxic to cats. Do not confuse with Activyl® for cats.

### How is this medication useful?
Indoxacarb is used in dogs and cats to control fleas. The EPA (Environment Protection Agency) has approved indoxacarb for use in dogs and cats to control fleas. You and your veterinarian can discuss why this drug is the most appropriate choice.

### What should I tell my veterinarian to see if this medication can be safely given?
Many things might affect how well this drug will work in your animal. Be sure to discuss the following with your veterinarian so together you can make the best treatment decisions.
- Other drugs can interact with this medication, so be sure to tell your veterinarian and pharmacist what medications (including vitamins, supplements, or herbal therapies) you give your animal, including the amount and time you give each.
- Tell your veterinarian about any conditions or diseases your animal may have now or has had in the past.
- If your animal has been treated for the same disease or condition in the past, tell your veterinarian about the treatment and how well it did or didn’t work.
- If your animal is pregnant or nursing, talk to your veterinarian about the risks of using this drug.
- Tell your veterinarian and pharmacist about any medication side effects (including allergic reactions, lack of appetite, diarrhea,
itching, hair loss) your animal has developed in the past.

How long until I will know if this medication is working, and how long will the effects of this medication last?
Fleas will begin to die within 4 to 8 hours. Your animal’s clinical signs should begin to improve after that time. The effects of this medication are long-lived, meaning they may last for multiple (ie, 4 to 6) weeks, although they may be prolonged if your animal has decreased kidney and/or liver function.

When should this medication not be used or be used very carefully?
No drug is 100% safe in all patients, but your veterinarian will discuss with you any specific concerns about using this drug in your animal.
This drug SHOULD NOT be used in:
- Animals that are allergic to it.
- Kittens less than 8 weeks of age and weighing less than 2 lb.
- Puppies less than 8 weeks of age and weighing less than 4 lb.
- Pregnant or nursing patients, or animals intended for breeding.
If your animal matches any of these conditions, talk to your veterinarian about the potential risks versus benefits.

What are the side effects of this medication?
In dogs and cats, indoxacarb is normally tolerated well.
**Side effects that usually are not serious include:**
- Squinting or head shaking.
- Redness or irritation at the application site.
- Dripping may occur if your animal licks the application site after administration. This usually only lasts for several minutes.
You don’t have to be overly concerned if you see any of these signs unless they are severe, worsen, or continue to be a problem. Contact your veterinarian if this happens.

If my animal gets too much of this medication (an overdose), what should I do?
If you witness or suspect an overdose, or if your cat has come into contact with the permethrin-containing combination for ticks, contact your veterinarian or an animal poison control center for further advice. Animal poison control centers that are open 24 hours a day include: Pet Poison HELPLINE (855-764-7661) and ASPCA Animal Poison Control Center (888-426-4435); a consultation fee is charged for these services.

How should this medication be given?
For this medication to work, give it exactly as your veterinarian has prescribed. It’s a good idea to always check the prescription label to be sure you are giving the drug correctly.
- Apply indoxacarb products monthly. Remove the applicator from its outer packaging. While holding upright and away from your face, snap the tip open. Part the haircoat, place the tip against the skin between the shoulder blades (dogs) or at the base of the skull (cats). Squeeze the applicator to apply the contents directly to the skin. For medium and large dogs, apply to multiple spots along the dog’s back. Wash hands when application is complete.
- If you have difficulty getting your animal to accept the medicine, contact your veterinarian or pharmacist for tips to help with dosing and reducing the stress of medication time.
- This medication can be given for various lengths of time. Be sure you understand how long your veterinarian wants you to continue giving this medication. Prescription refills may be necessary before the therapy will be complete. Before stopping this medication, talk to your veterinarian, as there may be important reasons to continue its use.

What should I do if I miss giving a dose of this medication?
If you miss a dose, give it when you remember and then wait the amount of time between doses recommended by your veterinarian before giving another dose. Do not double-up or give extra doses.

How should I store this medication?
- Store this medication in the original container at room temperature and protected from light.
- Keep away from children and other animals.

Can handling this medication be hazardous to me, my family, or other animals?
- These formulations are highly flammable; keep away from heat, sparks, open flames or other sources of ignition. Do not eat or smoke while handling.
Wash your hands after handling the medication.
If you are allergic to the medication, wear gloves when handling. Do not contact the application site until dry.
Contact your physician if this medicine is swallowed, gets in the eyes, or on the skin.

How should I dispose of this medication if I don’t use it all?
If there is any medication left call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. Recommend putting the empty container in a sealed plastic bag before placing in trash or offer for recycling if available.
Do not save leftover medication for future use or give it to others to use.

What other information is important for this medication?
Use of this drug may not be allowed in certain animal competitions. Check rules and regulations before entering your animal in a competition while this medication is being administered.
Activyl® Tick Plus is a related formulation for dogs only; it is toxic to cats. Do not confuse with Activyl® for cats.

If you have any other questions about this medication, contact your veterinarian or pharmacist.
Indoxacarb with Permethrin (Dogs)
(in-dox-ah-carb with per-meth-rin)
Description: Topical Agent to Treat Fleas and Ticks
Other Names for this Medication: Activyl® Tick Plus

This information sheet does not contain all available information for this medication. It is to help answer commonly asked questions and help you give the medication safely and effectively to your animal. If you have other questions or need more information about this medication, contact your veterinarian or pharmacist.

Key Information
► Indoxacarb kills both adult fleas and larvae when they come into contact with your dog; the added permethrin in the Activyl® Tick Plus product also kills ticks.
► The spot-on formulation is applied to the skin in one site for small dogs, and applied to multiple spots for medium and large dogs.
► This combination product must not be used on cats as it will cause toxicity.
► Do not wash or allow your dog to swim for 24-48 hours after application.

How is this medication useful?
Indoxacarb plus permethrin is used in dogs (only) to control fleas and ticks. The EPA (Environment Protection Agency) has approved indoxacarb for use in dogs and cats to control fleas while the product that also contains permethrin is approved to treat fleas and ticks in dogs only. You and your veterinarian can discuss why this drug is the most appropriate choice.

What should I tell my veterinarian to see if this medication can be safely given?
Many things might affect how well this drug will work in your animal. Be sure to discuss the following with your veterinarian so together you can make the best treatment decisions.
► Other drugs can interact with this medication, so be sure to tell your veterinarian and pharmacist what medications (including vitamins, supplements, or herbal therapies) you give your animal, including the amount and time you give each.
► Tell your veterinarian about any conditions or diseases your animal may have now or has had in the past.
► If your animal has been treated for the same disease or condition in the past, tell your veterinarian about the treatment and how well it did or didn’t work.
If your animal is pregnant or nursing, talk to your veterinarian about the risks of using this drug.

Tell your veterinarian and pharmacist about any medication side effects (including allergic reactions, lack of appetite, diarrhea, itching, hair loss) your animal has developed in the past.

How long until I will know if this medication is working, and how long will the effects of this medication last?

Fleas will begin to die within 4 to 8 hours; ticks can take up to 12 hours or longer to die and fall off your animal. Your animal’s clinical signs should begin to improve after that time. The effects of this medication are long-lived, meaning they may last for multiple (ie, 4 to 6) weeks, although they may be prolonged if your animal has decreased kidney and/or liver function.

When should this medication not be used or be used very carefully?

No drug is 100% safe in all patients, but your veterinarian will discuss with you any specific concerns about using this drug in your animal.

This drug **SHOULD NOT** be used in:

- Cats.
- Animals that are allergic to it.
- Puppies less than 8 weeks of age.
- Dogs or puppies that weigh 11 lb or less.
- Pregnant or nursing patients, or pets intended for breeding.

This drug should be used **WITH CAUTION** in patients:

- Activyl® Tick Plus must be used with caution in households with cats, particularly if cats are in close contact with dogs or will groom dogs.

If your animal matches any of these conditions, talk to your veterinarian about the potential risks versus benefits.

What are the side effects of this medication?

This medicine is normally tolerated well in dogs.

**Side effects that usually are not serious include:**

- Squinting or head shaking.
- Redness or irritation at the application site.
- Drooling may occur if your pet licks the application site after administration. This usually only lasts for several minutes.

You don’t have to be overly concerned if you see any of these signs unless they are severe, worsen, or continue to be a problem. Contact your veterinarian if this happens.

If my animal gets too much of this medication (an overdose), what should I do?

If you witness or suspect an overdose, or if your cat has come into contact with the permethrin-containing combination for ticks, contact your veterinarian or an animal poison control center for further advice. Animal poison control centers that are open 24 hours a day include: **Pet Poison HELPLINE** (855-764-7661) and **ASPCA Animal Poison Control Center** (888-426-4435); a consultation fee is charged for these services.

How should this medication be given?

For this medication to work, give it exactly as your veterinarian has prescribed. It’s a good idea to always check the prescription label to be sure you are giving the drug correctly.

- Apply indoxacarb with permethrin products monthly to dogs. Remove the applicator from its outer packaging. While holding upright and away from your face, snap the tip open. Part the haircoat, place the tip against the skin between the shoulder blades. Squeeze the applicator to apply the contents directly to the skin. For medium and large dogs, apply to multiple spots along the dog’s back. Wash hands when application is complete.
- If you have difficulty getting your animal to accept the medicine, contact your veterinarian or pharmacist for tips to help with dosing and reducing the stress of medication time.
- This medication can be given for various lengths of time. Be sure you understand how long your veterinarian wants you to continue giving this medication. Prescription refills may be necessary before the therapy will be complete. Before stopping this medication, talk to your veterinarian, as there may be important reasons to continue its use.

What should I do if I miss giving a dose of this medication?

If you miss a dose, give it when you remember and then wait the amount of time between doses recommended by your veterinarian before giving another dose. Do not double-up or give extra doses.
How should I store this medication?
▶ Store this medication in the original container at room temperature and protected from light.
▶ Keep away from children and other animals.

Can handling this medication be hazardous to me, my family, or other animals?
▶ These formulations are highly flammable; keep away from heat, sparks, open flames or other sources of ignition. Do not eat or smoke while handling.
▶ Wash your hands after handling the medication.
▶ If you are allergic to the medication, wear gloves when handling. Do not contact the application site until dry.
▶ Contact your physician if this medicine is swallowed, gets in the eyes, or on the skin.

How should I dispose of this medication if I don’t use it all?
▶ If there is any medication left call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. Recommend putting the empty container in a sealed plastic bag before placing in trash or offer for recycling if available.
▶ Do not save leftover medication for future use or give it to others to use.

What other information is important for this medication?
▶ Use of this drug may not be allowed in certain animal competitions. Check rules and regulations before entering your animal in a competition while this medication is being administered.
▶ Activyl® Tick Plus is a formulation for dogs only; it is toxic to cats. Do not confuse with Activyl® for cats.

If you have any other questions about this medication, contact your veterinarian or pharmacist.