

# Myristin® Special Canine Joint Formula Information Sheet

## NEW MYRISTIN CETYL MYRISTOLEATE JOINT AND HIP CHEWABLE FORMULA FOR DOGS AND CATS

EACH TABLET HAS 500 MG OF CMO COMPLEX WITH 100MG OF CMO PER TABLET WITH GLUCOSAMINE, MSM AND ALL NATURAL FLAVORING

Ingredients	Contents	What they are	What they do
<b>Cetyl Myristoleate (CMO)</b>	500mg CMO Complex (provides 100 mg CMO)	<ul style="list-style-type: none"><li>• Cetyl Myristoleate is a unique fatty acid ester that is incorporated into the lipid layers of the cell membrane.</li><li>• Cetyl Myristoleate is often referred to as nature's WD-40 for joints because of its lubricating qualities.</li></ul>	<ul style="list-style-type: none"><li>• Reduces pain and inflammation</li><li>• Promotes recovery from joint injury</li><li>• Enhances motion and flexibility</li><li>• Regulates immune response for optimum joint recovery</li><li>• Fast acting</li></ul>
<b>Glucosamine Sulfate</b>	300 mg	<ul style="list-style-type: none"><li>• Sulfate is the preferred form of glucosamine as it provides the sulfate molecule, a key building block for joint health.</li></ul>	<ul style="list-style-type: none"><li>• Helps to nourish joint tissues</li><li>• Enhances joint function</li><li>• Regenerates cartilage and connective tissues</li><li>• Helps create new synovial fluid</li></ul>
MSM (COATED) (Methylsulfonyl Methane)	250 mg	<ul style="list-style-type: none"><li>• A prime source of bio-available sulfur for both animals and humans</li></ul>	<ul style="list-style-type: none"><li>• Helps keep joint tissues elastic</li><li>• Reduces inflammation and enhances circulation.</li></ul>
<b>Bromelain</b>	18 mg	<ul style="list-style-type: none"><li>• Comes from the stem and part of the pineapple fruit</li></ul>	<ul style="list-style-type: none"><li>• Reduces inflammation</li><li>• Improves blood supply to joints</li><li>• Reduces swelling</li></ul>
<b>Curcumin</b>	6.3 mg	<ul style="list-style-type: none"><li>• Also known as Turmeric</li><li>• A natural inhibitor of Cox-2 enzyme</li></ul>	<ul style="list-style-type: none"><li>• Reduces inflammation</li><li>• Reduces swelling</li><li>• Reduces pain</li></ul>
<b>Vitamin C</b>	150 mg	<ul style="list-style-type: none"><li>• An essential nutrient for animals and humans</li></ul>	<ul style="list-style-type: none"><li>• Reduces inflammation</li><li>• Is a strong antioxidant</li></ul>
<b>Manganese Citrate</b>	10 mg	<ul style="list-style-type: none"><li>• A mineral with a role in joint health</li></ul>	<ul style="list-style-type: none"><li>• Helps proteoglycan production</li><li>• Helps improve tone of ligaments and tendons</li></ul>
<b>Lipase Lecithin</b>	33 mg 100 mg	<ul style="list-style-type: none"><li>• An enzyme</li><li>• Phosphatidyl choline</li></ul>	<ul style="list-style-type: none"><li>• Both molecules help with absorption of CMO</li></ul>

The chewable tabs are available in 3 sizes:

120 CHEWABLES MSRP 46.25 (38 cents/pill)

240 CHEWABLES: MSRP 85.75 (35 cents/pill)

400 CHEWABLES: MSRP 134.00 (33 cents/pill)

Loading Dose: 1 pill for every 25 lbs for 60 days. Maintenance Dose: 1/2 pill for every 25 lbs.

Small Dogs and Cats: Loading Dose: 1 pill for 60 days. Maintenance: 1/2 pill every day.



There are no side effects associated with this nutraceutical and it is completely safe for dogs as well as cats.



Myristin Special Canine Formula tablets are chewable and highly palatable, with all-natural bacon flavoring. The tasty tablets can even be used as treats and dogs will eat them readily. Some competitors' joint formulas are not able to use MSM in their products because dogs do not like the taste of MSM.

By using our new coated MSM, we are able to reduce allergy issues by reducing the flavorings and now we just use yummy bacon! Myristin Special Canine Formula is a complete joint formula which makes it very cost-effective and easy to administer.



Typically, some results can be seen within the first one to two weeks. In some cases as long as six to eight weeks may be needed to see major improvement, depending on severity of the problem.

### **What is Cetyl Myristoleate and how did it come about?**

» The late Harry Diehl, a former research chemist at NIH, discovered Cetyl Myristoleate (CMO). He discovered that he was unable to create Freund's adjuvant-induced arthritis in Swiss albino mice. He subsequently isolated CMO from these mice and was able to protect a susceptible species of rat from adjuvant arthritis by pretreating them, using the CMO he isolated from the mice. Diehl was unable to generate much interest in his findings, and the information went largely untapped for 30 years. He was eventually awarded three patents for the use of CMO in connection with several forms of joint health problems. (See the article Diehl H, May E: Cetyl Myristoleate Isolated From Swiss Albino Mice: An apparent Protective Effect Agent against Adjuvant Arthritis in Rats. Journal of Pharmaceutical Sciences 1993; 83: 296-299)

### **How does it work?**

» Cetyl Myristoleate (CMO) works quite different from joint-rebuilding nutrients. CMO has been clinically observed to function in at least **four different ways**. It has been found to work as a **lubricant (sometimes referred to as nature's WD-40)**, a **painkiller**, an **anti-inflammatory**, and, what may be very important, an **immune system modulator**. Although the exact mechanisms are not known at this time, there are some very strong indications that CMO, a fatty acid ester, is incorporated into the lipid layers of cell membranes. One theory is that if the method by which immune cells communicate is altered by reprogramming cell membrane receptor sites, these fatty acid esters could redirect a misdirected immune response. Another theory is that this group of fatty acid esters reprograms immune cells that have lived long beyond their normal life span. All cells in the body are programmed to die within a certain range of time. This preprogrammed cell death is called *apoptosis*. If this program has been modified in any way, these immune cells can **produce damage** and anything that would help to reprogram apoptosis would have benefits in joint health.

Dogs over 25 lbs:

Loading Dose: 1 pill for every 25 lbs for 60 days. Maintenance Dose: 1/2 pill for every 25 lbs.

Small Dogs and Cats: Loading Dose: 1 pill for 60 days. Maintenance: ½ pill every day.

