Equinyl™ CM

Concentrated Body Lubricant Supplement, Fortified with ultra pure Vita Flex MSM & Ester-C®

- Contains 7.5 grams of Vita-Flex MSM—a metabolite of DMSO and an organic sulfur element found in low levels in many foods
- Also contains glucosamine, chondroitin, bromelain, chelated zinc, copper and manganese, plus Ester-C
- Provides comprehensive support of connective tissue and natural lubricant
- Easy-to-give, one-step solution saves time and money

How Does the Joint Stay Lubricated? In optimal situations, the equine body will produce enough joint lubricant to keep horses healthy and mobile, but real-life situations are often less than perfect. Age, growth, training and competition wear down the joint and make it increasingly harder for the body to produce enough lubricant. The joint uses a two-pronged attack in its fight against bones rubbing together. It first produces joint fluid, mostly water that is thickened by hyaluronic acid, which itself is 50% glucosamine. This fluid sits in pouches between the cartilaginous ends of each bone. Secondly, the joint creates a slippery surface on the cartilage itself so that if the joint fluid breaks down, the bones will rub with as little friction as possible. The slippery, compressible surface of cartilage is maintained by proteoglycans (PGs). Nearly half of each PG is made of glucosamine (GL), chondroitin sulfate (CS), and their metabolites. Equinyl CM provides important ingredients that have been scientifically proven to nourish joints with the raw materials that have are necessary in the fight against joint fluid breakdown.

Chondroitin and Glucosamine: A Perfect Match With the potent combination of chondroitin sulfate (CS) and glucosamine (GL), Equinyl CM gives targeted joint lubricant support. Many horses face wear and tear from rapid growth, aging, training, and competition, and maintaining the horse's lubrication system is of utmost importance. Science has found that certain ingredients are important building blocks in the horse's natural lubricants and articular cartilage. The most important of these chondroprotective agents are glucosamine and chondroitin sulfate (CS). A recent equine study found that CS and GL, when used in combination, inhibit the production of certain protein mediators that can lead to cartilage degradation¹.

Glucosamine Each 2/3-ounce serving of Equinyl CM supplies a minimum of 2,500 mg glucosamine, a well-studied and important ingredient in joint health.

Chondroitin Sulfates Chondroitin sulfates (CS) are part of the family of natural body lubricants called GAGs and are crucial elements of cartilage. Orally administered CS is absorbed without chemical changes, and it is distributed to tissues and organs in whole-form⁵. At least 875 mg purified chondroitin sulfates are provided in each 2/3-ounce serving of Equinyl CM.

Vita Flex MSM: Renowned for Quality and Outstanding Results Sulfur is essential for the proper growth and maintenance of connective tissues and natural lubricants. Naturally occurring food source of bio-available sulfur. MSM is methylsulfonylmethane, a naturally occurring food source of bio-available sulfur.
biological metabolite of DMSO. Vita Flex MSM has set the standard for value, purity, and quality since it was first introduced in 1988. Each 2/3-ounce scoop of Equinyl CM delivers 7.5 grams of Vita Flex MSM.

**Bromelain** From the heart and stem of the pineapple, we harvest bromelain, one of the family of protease ingredients. Also called proteolytic enzymes, these natural compounds are part of the “clean up crew” that break up debris and help restore fluid balance. Dozens of clinical and sports trials have studied proteases for their impact on eicosanoids, the fatty acids from which the body generates prostaglandins and other inflammatory agents. Bromelain is a robust and flexible proteolytic enzyme. It produces the activity of several enzymes across a wide pH range. Some studies have tested bromelain in skeletal and protein renewal processes.

**Zinc, Copper, and Manganese** Each of these essential ingredients are needed for hundreds of metabolic jobs throughout the horse. During times of growth, repair, injury and infection, they are in high demand for enzymes that regulate everything from immune cell development to collagen and GAG production. Equinyl CM supplies balanced proportions to help make sure all systems are ready to support optimum natural lubricant production.

**Ester C: Patented Vitamin C Formulation** Vitamin C has long been recognized as a vital antioxidant and connective tissue ingredient. Cartilage cells require vitamin C to grow new collagen, and for the creation of key lubricants like chondroitin sulfates and hyaluronic acid. Ester-C is a unique form of vitamin C that is gentler to the digestive tract and better utilized by the body than conventional vitamin C. Unique patented metabolites in Ester-C have been shown to increase and accelerate absorption, and help maintain higher circulating levels of the vitamin.

**Directions for Use** Enclosed level scoop holds 2/3 ounces. Give 1 1/3 to 2 ounces (2 to 3 scoops) daily for first three to four weeks. Give 2/3 to 1 1/3 ounces (1 to 2 scoops) daily for maintenance or as directed by veterinarian. Store in a cool, dry place. Reseal after each use. See package for complete instructions.

**References**

8. Ibid.

Ester-C® is a licensed trademark of Zila Nutraceuticals, Inc. and manufactured under U.S. Patents 4,822,816, 5,070,085 and 6,197,815.

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