

Joint Health™ White Paper

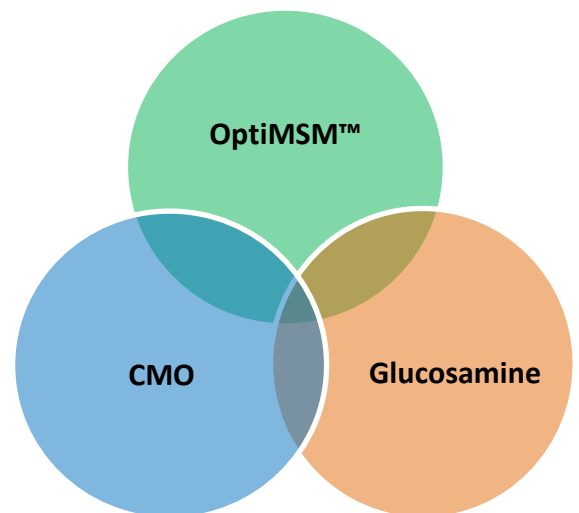


Designed to Protect & Support

If you have ever pulled a muscle, lifted a heavy box, suffered from a sports injury or been in an accident, then you've experienced the frustration of a painful muscle or joint injury. Xooma's **Joint Health** is a synergistic formula that contains the clinically meaningful levels of researched and proven ingredients that deliver real results for anyone experiencing age or exercise-induced joint damage.

The formula utilized in Xooma's Joint Health has over 10 years of clinical research which has been shown to protect and support joints, tendons, ligaments, cartilage, muscles, connective tissues and bones, and aid in post injury joint repair. Most people report noticeable results with their very first bottle!

Let's take a closer look at the **key nutrients** in this exclusive formula.



OptiMSM®

The powerful healing effects of this trademarked nutrient complex are well documented. OptiMSM supplies biologically active sulfur in a safe, nontoxic way to ease the pain of arthritis. After many years of clinical use, OptiMSM has shown to have the following pain relief and anti-inflammatory benefits (without uncomfortable side effects):

- Increased blood supply in the body
- Reduction of inflammation
- Reduction of muscle spasms
- Softening of scar tissue

OptiMSM® is a premium form of MSM that is GRAS-designated and supported by U.S. clinical published research. It is manufactured in a GMP-compliant, ISO 9001:2008 registered, FSSC22000 certified MSM production facility.

Here are some of the many benefits that OptiMSM offers.*

Joint Health

MSM (methylsulfonylmethane) is made up of 34% sulfur – the fourth most abundant mineral in the human body. Sulfur is an important nutrient for the maintenance of healthy joints, tendons, ligaments and other connective tissue.

OptiMSM® is an ultra-pure, high quality MSM supplement backed by numerous pre-clinical and clinical studies for safety and efficacy.

OptiMSM has been shown to encourage a significant reduction in pain and deterioration of cartilage matrix in joints in many studies. These studies also revealed that OptiMSM has the ability to improve mobility and impact the immune response.

Inflammation

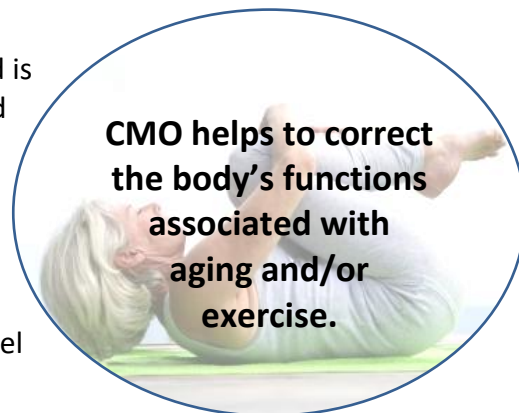
Researchers have observed that **OptiMSM** may modify pro-inflammatory mechanisms to alleviate exercise-induced soreness and support antioxidant levels in the body.

Properties found in **OptiMSM** can help deter the accumulation of oxidative damage that develops through aging and stress on the body.

Several pre-clinical and clinical studies support the efficacy of MSM in supporting joint health and range of motion. Research shows that MSM reduces inflammatory markers that damage cartilage as we age, *protecting its integrity*.

CMO

Xooma's Joint Health also contains the world's first and only true immunomodulator, **CMO** (Cerasomal-cis-9-cetylmyristoleate), and is 99.9% pure. CMO helps to correct the body's functions associated with aging and/or exercise, rather than just suppressing or stimulating the system's activities. CMO is not an immunosuppressant, nor an immunostimulant, nor is it pharmaceutical. It is a naturally derived substance (naturally associated Bovine fatty acids that are made into waxy esters and converted into 100% CMO powder) that has the highest safety level attainable by certified independent laboratory LD-50 testing.

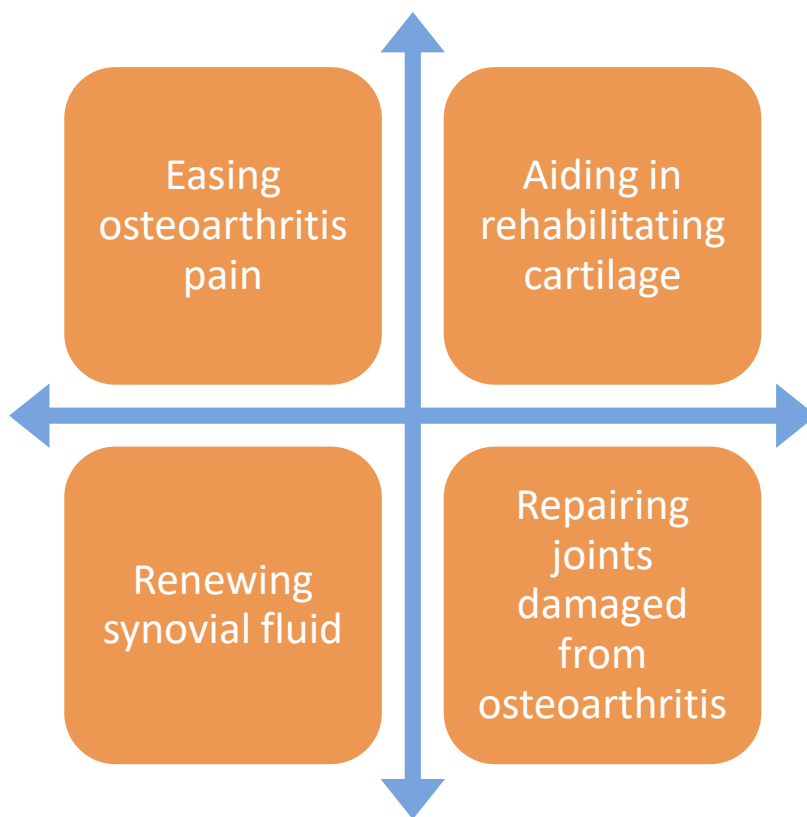


Glucosamine

Another powerful ingredient found in Xooma's Joint Health is **Glucosamine**. Our ultra-pure form of Glucosamine is an amino sugar produced from the shells of shellfish (chitin) and is a key component of the extra cellular matrix needed in human cartilage. Glucosamine works to stimulate joint function and repair. It has been one of the most popular alternatives recommended by doctors for easing osteoarthritis pain, aiding in rehabilitating cartilage, renewing synovial fluid, and repairing joints that have been damaged from osteoarthritis. Our bodies produce Glucosamine naturally but as the body ages it produces less, leaving our joints more and more vulnerable to injury, stiffness and possible pain.

Glucosamine alone has been subjected to over 300 scientific investigations and is supported by 20 double blind, placebo studies. These studies have come to the conclusion that Glucosamine works at both relieving pain and stimulating the healing process. These studies also found that Glucosamine reduced pain more effectively than ibuprofen. **

Glucosamine has been one of the most popular alternatives recommended by doctors for:



Xooma's Joint Health™ Formula WORKS!

Joint Health is one of the best-kept secrets in Xooma's product line. People around the world have grown to trust and rely on the health benefits they've experienced from this exclusive formula.

If you're experiencing joint pain or discomfort, you owe it to yourself to discover the restoration and relief this proven product has provided to people around the world for more than 10 years. Order yours today!

Supplement Facts		
Serving Size: 1 Tablet • Servings Per Container: 90 Tablets		
	Amount Per Serving	% DV**
Calcium (as coral calcium and dicalcium phosphate)	89 mg	9%
OptiMSM® (Methylsulfonmethane)	750 mg	**
CMO Cerasomal-cis-9-cetylmyristoleate complex (from cetylated fatty acid esters) (bovine)	250 mg	**
Proprietary Blend: Dicalcium phosphate, X20 Mineral Complex (ca:Mg=2:1), Glucosamine sulfate 2KCl	450 mg	**
**Percent Daily Values are based on a 2,000 calorie diet †Daily value not established		

Other ingredients: Croscarmellose Sodium, Silicon Dioxide, Vegetable Magnesium Stearate.
Clear Vegetable Coating: Hypromellose, Glycerine.
Contains no salt, sugar, starch, artificial preservatives or colors.

*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

**OptiMSM®, CMO and Glucosamine are often effective for temporary pain relief. It has been reported that doctors are able to lower the dosage of pain medication they prescribe for patients. In most cases the end result is relief, along with fewer side effects that are frequently caused by prescription medications.