

## RECOMMENDATIONS

Helion Nutraceuticals recommends (for adults):  
3 to 6 capsules daily, in divided doses.



Three vegetable capsules contain:

Glucosamine Sulfate	1000 mg
Chondroitin Sulfate	500 mg
Methylsulfonylmethane	500 mg
Hyaluronic acid	50 mg
Cetyl Myristoleate (20%)	250 mg
Lipase	300 FIP
Protease 6.0	12000 HUT



## REFERENCES

- <sup>1</sup>Reginster JY, Deroisy R, Rovati LC, Lee RL, Lejeune E, Bruyere O, Giacobelli G, Henrotin Y, Dacre JE, Gossett C. Long-term effects of glucosamine sulphate on osteoarthritis progression: a randomized, placebo-controlled clinical trial. *Lancet* 2001 Jan 27;357(9252):251-6.
- <sup>2</sup>Murav'ev IuV, Venikova MS, Pleskovskaia GN, Riazantseva TA, Sigidin IaA. Effect of dimethyl sulfoxide and dimethyl sulfone on a destructive process in the joints of mice with spontaneous arthritis. *Patol Fiziol Eksp Ter* 1991 Mar;2:37-39.
- <sup>3</sup>Murav'ev IV. Treatment of rheumatoid synovitis by intra-articular administration of dimethyl sulfoxide and corticosteroids. *Ter Arkh* 1986;58(7):104-5.
- <sup>4</sup>Diehl HW, May EL. Cetyl myristoleate isolated from Swiss albino mice: an apparent protective agent against adjuvant arthritis in rats. *J Pharm Sci* 1994 ar;83(3):296-9.
- <sup>5</sup>Siemandi H. The effect of cis-9-cetyl myristoleate (CMO) and adjunctive therapy on arthritis and auto-immune disease: a randomized trial. *Townsend Letter for doctors and Patients* 1997;Aug/Sept:58-63.
- <sup>6</sup>Barrager E, Veltmann JR Jr, Schauss AG, Schiller RN. A multicentered, open-label trial on the safety and efficacy of methylsulfonylmethane in the treatment of seasonal allergic rhinitis. *J Altern Complement Med* 2002 Apr;8(2):167-73.
- <sup>7</sup>Greco RM, Iacono JA, Ehrlich HP. Hyaluronic acid stimulates human fibroblast proliferation within a collagen matrix. *J Cell Physiol*. 1998 Dec;177(3):465-73.
- <sup>8</sup>Diehl HW, May EL. Cetyl myristoleate isolated from Swiss albino mice: an apparent protective agent against adjuvant arthritis in rats. *J Pharm Sci*. 1994 Mar;83(3):296-9.
- <sup>9</sup>Hunter KW Jr. et al. Synthesis of cetyl myristoleate and evaluation of its therapeutic efficacy in a murine model of collagen-induced arthritis. *Pharm Res*. 2003 Jan;47(1):43-7.

\*This is a statement of nutritional support. This statement has not been evaluated by the Food & Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease. For educational purposes only. Consult your physician for any health problems.

# JOINTMENDFORTE™

Joint  
Rebuilding  
Support  
Formula

## FEATURES INCLUDE

### Glucosamine Sulfate:

Glucosamine Sulfate works by stimulating the production of a very important structure in your cartilage called the Glycosamine Glycans (GAG). Your GAG acts as a nutrient base for the growth of your cartilage. Stimulating this complex will increase the production of your cartilage over time.\*

### Chondroitin Sulfate:

Chondroitin sulfate is part of a large protein molecule (proteoglycan) that gives cartilage elasticity.\*

### Methylsulfonylmethane:

MSM is a naturally occurring, sulfur-containing organic compound and provides 34% elemental sulfur, a compound that is crucial in maintaining healthy tissues. Sulfur is a key nutrient needed to maintain connective tissue health, particularly those containing significant amounts of collagen and keratin, such as cartilage, skin, and nails.\*

### Hyaluronic acid:

Hyaluronic acid is a naturally occurring polymer found in every tissue of the body. It is particularly concentrated in the skin and synovial fluid. It is composed of alternating units of n-acetyl-d-glucosamine and d-glucuronate. This polymer's functions include attracting and retaining water in the extracellular matrix of tissues, and in synovial fluid. For joints, HA is especially supportive of healthy lubrication and shock absorption. Furthermore, in vitro studies indicate that HA modulates prostaglandin production, providing additional support for joint function.\*

### Cetyl Myristoleate:

Cetyl Myristoleate (cis-9-cetyl myristoleate or CMO) is the ester of the fatty acid myristoleic acid. Our CMO is the same form of CMO identified by the original discoverer, Dr. Diehl, and is patented for promoting joint function and comfort. In a 1994 study published in the Journal of Pharmaceutical Sciences, Dr. Diehl revealed the joint support potential of this unique compound. This trial also suggested that the physiological activity of CMO was not matched by other related fatty acids. A multi-center, double blind, randomized trial indicated that CMO and a CMO-containing formula promoted joint comfort compared to placebo. Proposed mechanisms of action for CMO include maintaining a healthy immune response at the cellular level and promoting joint lubrication.\*

### Lipase:

Lipases has a roles in the metabolism, absorption and transport of lipids throughout the body. Lipases are involved in diverse biological processes ranging from routine metabolism of cell signaling and inflammation.\*

### Protease 6.0:

Protease 6.0 is a mixture of acid, neutral and alkaline proteases that demonstrates both exo-peptidase and endo-peptidase activity with high substrate specificity. Protease 6.0 works synergistically with endogenous enzymes by blocking some proinflammatory metabolites that accelerate and worsen the inflammatory process. It is an anti-inflammatory agent, and so can be used for sports injury, trauma, arthritis, and other kinds of swelling.\*