



FLX Product Information

Some Facts about FLX

Agel™ FLX was formulated to take advantage of 4 fantastic ingredients that have all been found to be very beneficial in the maintenance of healthy joints and maximum flexibility. This formulation is a first, not only because it contains all 4 ingredients, but also because it is delivered in a gel suspension, a remarkable innovation by itself.

Minor or temporary joint pain associated with the normal activities of our active lifestyle is increasing around the world. Many are those who suffer needlessly or put themselves in harms way by taking medications that treat the symptoms rather than the problem.

So, what are the answers to this complex problem?

There has been significant research done to identify means of addressing this condition. As this research has progressed, there have been some rather remarkable discoveries. Researchers have identified some of the key building blocks in our joints and cartilage and have found naturally occurring sources of them in our environment. By studying the effects of incorporating these components into our diets, scientists have found some wonderful results with regard to joint health. They have concluded that by orally ingesting some of these compounds that are important factors in the regeneration and maintenance of healthy joints joint

health and function improve. To understand this concept better, consider bones. Bones are rebuilt or strengthened by adding calcium to the boney matrix. As we all know, we need to ingest calcium in our diets in order to build strong bones. Similarly, cartilage is regenerated or stenghtened by providing its' building blocks in our diet.

So, what are these compounds that have been found to be so helpful in maintaining healthy joints? There are four that we will address here: Chondroitin, Glucosamine, MSM (MethylSulfonylMethane), and Celadrin (a proprietary combination of cetylated fatty acids). These four ingredients have all been found in clinical trials, individually, to improve joint function and health. They have become a mainstay and a very important ally to those who suffer from temporary or minor joint pain associated with normal activities. What's more, they are fast becoming a mainstay for all adults who want to maintain healthy joints and active lifestyles.

Wouldn't it be great if there were a product available that had all 4 of these ingredients in one formulation? What kind of synergy would be present if all 4 of these natural joint health wonders were able to perform together in a single blend?

Uses for FLX

Chondroitin is extracted from shark or bovine cartilage. It is one of the major building blocks used in the formation and repair of the cartilage matrix. Cartilage is the tough, flexible connective tissue that serves as the cushion for the joints and is also found in other parts of the body such as the tip of the nose and outer ears. One of chondroitins primary functions as one of the key components in the cartilage matrix is to attract water to the other larger macromolecules within the matrix, thus keeping it soft and flexible. As such, it helps provide the cushion necessary to prevent bone-to-bone contact, especially in the weight bearing joints such as the knees and hips. In addition, the body uses chondroitin to prevent certain enzymes from breaking down the existing cartilage, thus providing a protective effect. The optimum daily dose is 1200 mg.

Glucosamine is produced from crab, lobster and shrimp shells. It is classified as an amino sugar. Unlike other forms of sugar found in the body, this form is incorporated into the structure of body tissues, rather than being used for energy. In fact, the body uses glucosamine to build your fingernails and toenails, tendons, skin, eyes, bones, ligaments and even your heart valves. But, in particular, it is found in high concentrations in your joint tissues and more specifically the cartilage matrix. Glucosamine is one of the components used in the production of Chondroitin, and in fact, it stimulates the body to produce more of this important building block for joint cartilage. As we age, our bodies decrease the natural production of Glucosamine therefore supplementation of this important joint structural component is important. The optimal daily dose is 1500 mg.



In multiple clinical trials, Glucosamine and Chondroitin have been found to work synergistically to help maintain joint health.

MSM (MethylSulfonylMethane) is a naturally occurring organic sulfur compound found in many plant and animal tissues. Sulfur is an essential component of healthy hair, skin, nails, tendons, and joints. It has also been found to help detoxify the body on a cellular level. MSM provides the essential sulfur that is necessary to build strong collagen and therefore strong and healthy cartilage by strengthening the sulfur bonds between the collagen strands. Although MSM is found in many of the foods that we eat, processing and cooking easily destroy it. As a result, MSM is probably not present in significant quantities in the majority of foods that we eat. Most people would probably benefit from supplementation of this crucial element for optimal health.

Celadrin® is a patented blend of cetylated fatty acids (CFAs) that have been stabilized through a proprietary process of esterifying oils. In addition, the CFAs in Celadrin® have the effect of increased joint lubrication. The prime role of Celadrin® appears to be its ability to enhance cell membrane health and integrity.

The body is made up of an enormous number of cells separated into various types and functions. The cell membrane is the organized structure that separates and protects components in the cell from neighboring cells and the outside world. Some of the major components of the cell membrane are structural lipids, which regulate nutrients and other compounds across the cell membrane. This regulation is very critical to the adequate function and health of the individual cell.

Celadrin® enhances the cell membrane and its integrity for efficient functionality. The result is a more efficient, fluid, permeable and a youthful cell membrane. Celadrin® enhances the lipid structure of the cell membrane converting it to a super membrane enabling the cells to rapidly repair and regenerate.

In simple terms, Celadrin® improves the lubrication of joints and prevents the manufacture of compounds that produce temporary or minor pain associated with normal activities.

1) How does Celadrin® compare to CMO (cetylmyristoleate)?
CMO is simply one of the components of the unique matrix of Celadrin®. Researchers discovered the mixture was more effective than the isolated CMO. Hence, Celadrin® can be simply regarded as an enhanced form of CMO.

2) Is there any difference between the various oral forms of Celadrin®?
The product has previously been available in tablets, soft gelatin, and hard gelatin capsules. Since Celadrin® is a fatty acid complex, softgel capsules may provide advantages in absorption, just as with other lipid-loving molecules (e.g. CoQ10). As well, the published clinical trials utilized Celadrin® in a softgel form.

3) Is Celadrin® safe?
The safety profile is exceptional with no reported side effects or drug interactions.

4) Can Celadrin® be used on a long-term basis?
Absolutely, Celadrin® is completely safe for indefinite use without side effect.

5) Are there any interactions with prescription drugs?
There is no indication or known mechanism where Celadrin® would cause an adverse interaction with any medication.

What are the joint health benefits in summary:

- 1. Glucosamine as a major structural component of Chondroitin, stimulates its production.
- 2. Chondroitin as a major building block of cartilage helps keep it soft and flexible, and protects it from enzymatic destruction.
- 3. MSM strengthens collagen bonds, creating stronger, healthier cartilage
- 4. MSM relieves minor and temporary pain from normal activities.
- 5. Celadrin® increases cell membrane.
- 6. Celadrin® helps provide adequate joint lubrication.

Precautions

There have not been sufficient studies to determine the effect of these ingredients on pregnancy, and are therefore not recommended for pregnant women. If you are allergic to shellfish, you should consult your physician before using FLX.

*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.

Supplement Facts

Serving Size: 1 Packet (21g)

	Amount Per Serving	% Daily Value**
Calories	45	
Calories from Fat	10	
Total Fat	1 g	2%
Total Carbohydrates	9 g	3%
Sugars	5 g	†
Sodium (as sodium chloride)	50 mg	2%
Celadrin	750 mg	†
Glucosamine HCl	1500 mg	†
Chondroitin Sulfate	1200 mg	†
MSM	400 mg	†

** Percent Daily Values are based on a 2,000 calorie diet.

† Daily Value not established.

Other Ingredients: Water, Fructose, Citric Acid, Sodium Chloride, Xanthan Gum, Guar Gum, Natural Flavoring, Sodium Benzoate.

Warning: May contain shellfish. Do not consume this product if you have an allergy to shellfish.

* 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. Products shown may not be available in every location and where available may be for personal use only.
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