

# equine product range



# calmequin

Calming supplement for horses

Reg. No. V14927 Act36/1947

Stress in horses manifests itself in many ways. Nervousness, aggression, stubborn behaviour and handling difficulties are a few of the more common problems.

**Calmequin** is a natural herbal calming supplement for horses. It is common knowledge that dietary deficiencies cause stress and **Calmequin** can correct these deficiencies. **Calmequin** contains L-tryptophan, a high level of thiamine, magnesium and calcium. These, combined with selected herbs and essential oils, give it its stress-relieving properties.

## TRYPTOPHAN

The most important ingredient in **Calmequin** is tryptophan. Tryptophan plays a critical role as a serotonin precursor. Serotonin is an important neurotransmitter and high levels of serotonin is associated with sedation and a reduction in aggression and fear. An increase of circulating tryptophan in the body increases the brain's serotonin levels because more tryptophan is able to be transported across the blood-brain barrier.

## MAGNESIUM AND VITAMIN B1

**Calmequin** also contains magnesium, an important mineral for memory processing, and vitamin B1 which is essential for optimal nervous system function.

## VALERIAN AND ESSENTIAL OILS

Valerian is a perennial flowering plant. It is widely used to treat insomnia, anxiety and nervous restlessness as well as an antiseptic, anticonvulsant, migraine treatment and pain reliever.

Most studies have found Valerian to interact with the GABA receptor, a class of receptors on which benzodiazepines are known to act. This has a calming effect.

Lavender essential oil, an earthy, lightly sweet and freshly floral-scented oil, is known for its relaxing and calming effects.

Peppermint oil is often used for stress management as a supplementary therapy for nervous disorders and mental fatigue.

**Calmequin** combines the calming benefits of Valerian with the powerful essential oil therapy of peppermint and lavender oil for optimal calming effects.

## DIRECTIONS FOR USE:

Sprinkle 25 g (one measure) onto the main meal of the day and mix well into the feed.

After two weeks, level may be reduced to 15 g.

25 g scoop included in bucket.

## WARNINGS:

- For animal use only.
- Use only as directed, or as otherwise specified by a veterinarian.
- Discontinue at any sign of adverse reaction and consult a veterinarian.
- Do not feed to pregnant mares.
- Keep out of reach of children and uninformed persons.

COMPOSITION	
Ingredient	Amount per kg
Calcium	16 g
Magnesium	12 g
Vit B1 (thiamine)	79 g
Tryptophan	1 g
Valerian root	20 g
Peppermint	12 g
Lavender	8 g

Available in  
1 kg buckets



CALMING



NATURAL  
PRODUCT



ESSENTIAL  
OILS



# equi-collagen

Cartilage and joint supplement for horses

Reg. No. V30341 Act36/1947

In the past, the primary reason for including collagen in supplements was to support soft tissues like tendons and ligaments in performance horses doing strenuous work. However, now that the understanding of collagen and its functions has progressed, research has started to show how beneficial it may also be to joint health.

Collagen is the major structural protein in animal bone and skin tissue. With daily supplementation, you can significantly improve the cartilage and joint health of your horse. The most important task of cartilage is to reduce the friction of movement within joints. Cartilage covers the joint bones. Collagen is a naturally produced protein found in cartilage.

Collagen is the most abundant protein in mammals and is the main component of connective tissues. The name collagen comes from the Greek  $\kappa\omicron\lambda\lambda\omicron\varsigma$  (kólla), meaning “glue”, and suffix  $-\gamma\epsilon\gamma\omicron$  (gen), meaning “producing”. Over the last few years, 28 types of collagen have been identified but the first five (I, II, III, IV, V) are the most common.

## COLLAGEN TYPE II

Type II collagen is a naturally occurring type of collagen found in cartilage and inside joints. EquiCollagen contains type II collagen, which works by improving lubrication and thus the mobility of joints, as well as increasing the elasticity of tendons and ligaments.

Studies indicate that this supplement is well tolerated in arthritic horses, and that there is a significant reduction in arthritic pain in the treated animals. Equi-Collagen can also be given to young horses to help keep their joints and soft tissue strong to support them in their senior years.

## VITAMIN C

In addition to its antioxidant functions, vitamin C regulates the synthesis of the structural protein collagen and assists the body in storing it.



JOINT  
HEALTH



TENDONS &  
LIGAMENTS



COLLAGEN  
TYPE II

## DIRECTIONS FOR USE:

Give 1 scoop per 500 kg horse, daily, sprinkled over feed.

16 g scoop included.

## WARNINGS:

- For animal use only.
- Use only as directed, or as otherwise specified by a veterinarian.
- Discontinue at any sign of adverse reaction and consult a veterinarian.
- Keep out of reach of children and uninformed persons.

COMPOSITION	
Ingredient	Amount per g
Hydrolysed collagen type II	315.5 mg
Vitamin C (ascorbic acid)	315.5 mg



Available in 500 g  
containers

# equi-vites

Horse biscuits fortified with vitamins and minerals

Reg. No. V26329 & V26330 Act36/1947

**Equi-vites** horse biscuits are packed with vitamins and minerals to keep your horse healthy. It is a palatable, nutritional treat for rewarding your horse for his remarkable efforts and for being the loyal friend that he is.

Available in two delicious flavours: carrot cake and garlic.

Spoil your horse with a nutritional treat that he'll enjoy, to make him feel special and loved.



VITAMINS &  
MINERALS



PALATABILITY



HAPPY  
HORSE

## FEEDING RECOMMENDATIONS:

Give as a reward as often as required. These treats are meant to be given freely.

## WARNINGS:

- Discontinue immediately if your horse/pony shows an adverse reaction and consult your veterinarian.
- Keep out of reach of children and uninformed persons.

COMPOSITION	
Ingredient	Amount per kg
Anti-oxidants	200 g
Choline	2.598 g
Magnesium (as magnesium oxide)	2.5 g
Ferrous	1.5 g
Vitamin B1	0.26 g
Vitamin B2	0.2 g
Zinc	525 mg
Niacin	497.5 mg
Folic acid	259.2 mg
Copper	252 mg
Calcium (as calcium pantothenate)	245 mg
Manganese	217 mg
Vitamin B6	147 mg
Vitamin K3	64.5 mg
Iodine	38.225 mg
Vitamin B12	1 mg
Selenium	0.09 mg
Biotin	0.002 mg
Vitamin A	438'000 IU
Vitamin D3	50'000 IU
Vitamin E	5'770 IU



Available in 750 g packets.

**Ht20** provides essential nutritional building blocks for superior hoof growth and conditioning in horses.

## BIOTIN

Dietary sources of biotin are synthesised by gut microbes. In natural feeds, such as grasses, biotin occurs in a protein-bound form, biocytin. The bioavailability of dietary biotin between different feeds depends greatly on the digestibility of this specific binding protein. Biotin is essential for the formation of hooves and hair.

It has been shown that supplementary biotin increases cytokeatins, stimulating the differentiation of epidermal cells.

**Ht20** provides a consistent form of biotin to assist with healthy hoof and hair growth.

The equine hoof wall can take 9-12 months to grow out from the coronary band to the weight-bearing surface. Thus, it is recommended that **ht20** be provided for at least 6-9 months to assess hoof health improvement.

## MINERALS AND AMINO ACIDS

The ingestion of plants and plant-based products doesn't necessarily guarantee adequate intake of minerals, making supplementation of minerals an important aspect of equine husbandry.

Copper and Zinc are added to **ht20** as they play an important part in bone formation and keratin synthesis, which are important building blocks of healthy hooves and coat.

**Ht20** also contains three acids: methionine, lysine and cysteine. Once absorbed, proteins are broken down into amino acids, providing key functions such as structure to contractile proteins actin and myosin in the muscle, collagen and keratin, nutrient transport in the blood stream and regulation of metabolic functions.



HEALTHY  
HOOVES



PROTEIN

## DIRECTIONS FOR USE:

Sprinkle 25 g (four scoop measures) onto the main meal of the day and mix well into the feed.

25 ml scoop included (4 scoops = 25 g **ht20**).

## WARNINGS:

- For animal use only.
- Use only as directed, or as otherwise specified by a veterinarian.
- Discontinue at any sign of adverse reaction and consult a veterinarian.
- Keep out of reach of children and uninformed persons.
- Store in a cool, dry place.
- Keep the container lid tightly sealed after opening.

COMPOSITION	
Ingredient	Amount per kg
Vit B6 (pyridoxine)	1.41 g
Biotin	0.69 g
Zinc (chelated)	2.16 g
Manganese (AAC-Mn)	1.31 g
Copper (AAC-Cu)	0.58 g
Methionine	61.81g
Lysine	41.35 g
Cysteine	3.21 g



Available in  
1 kg buckets

Healthtech's ultra-pure **msm** is the purest form of dietary Methyl Sulfonyl Methane available. Methyl Sulfonyl Methane has anti-inflammatory properties, improves flexibility and accelerates healing.

## METHYL SULFONYL METHANE (MSM)

In its pure form, sulfur is unstable, often breaking down during most forms of processing in feed, such as drying of grasses. Unless the animal's diet consists primarily of raw, fresh grain or forage, it is likely that the MSM content of the diet will be deficient. **msm** provides an excellent dietary source of sulfur in a more stable form enabling it to be delivered to your horse in a more absorbable/ bioavailable form.

Sulfur is important for the maintenance of normal connective tissues in your horse. It retards the formation of scar tissue and slows neurotransmitters, resulting in muscle relaxation. A low level of MSM is associated with stress, organ and tissue malfunction and susceptibility to disease.

MSM has been shown to normalise certain body functions in patients displaying physiological symptoms of stress and exhibits anti-inflammatory properties along with free radical scavenging. It has also been found to alleviate allergies, arthritis, gastrointestinal upset and musculo-skeletal pain.



JOINT  
MOBILITY



ANTI-  
INFLAMMATORY



PURE

## DIRECTIONS FOR USE:

Feed 5 -10 g twice daily for the first 7 days, and thereafter once daily as a maintenance dose.

5 ml scoop included (1 level scoop = 5 g **msm**).

## WARNINGS:

- For animal use only.
- Use only as directed, or as otherwise specified by a veterinarian.
- Discontinue at any sign of adverse reaction and consult a veterinarian.
- Keep out of reach of children and uninformed persons.
- Store in a cool, dry place.
- Keep the container lid tightly sealed after opening.

## COMPOSITION

Ingredient	Amount
Methyl sulfonyl methane	100%



Available in 500 g  
and 1 kg containers



# pet product range



# boost

Amino acid and vitamin supplement for dogs & cats

Reg. No. V16503 Act36/1947

**Boost™** liquid is intended for use in the management of post-biliary convalescence and other debilitating hepatic disease conditions. The Boost formula contains high levels of essential amino acids for liver support and to assist in the formation of haemoglobin and red blood cells.

**Boost™** is also a good general tonic when dogs are listless and have little or no appetite. The formula is palatable and readily accepted. It is also an excellent source of energy.

**THE VITAMINS:** **Boost™** contains vitamin E, the most important fat-soluble antioxidant in the body, which may support immune function and assist in preventing inflammation. The vitamin B combination in **Boost™** improves red cell production and strengthens the nervous system, resulting in more efficient energy for tissue repair and a boost to the immune system. This is especially important in debilitated animals.

Oxidants damage molecules and can cause disease and inflammation. One of the more important water-soluble antioxidants, vitamin C, can also be found in **Boost™**. Vitamin C's most important physiological effect is to prevent/protect against free radical attacks and regenerate other substances such as protein, DNA and lipids within the antioxidant system.

**THE AMINO ACIDS:** Methionine is an important part of angiogenesis (the growth of new blood vessels), while arginine is used in the biosynthesis of proteins (the biological process whereby cells generate new proteins).

**GINKGO BILOBA:** This is a tree native to China that has been grown for thousands of years for a variety of uses. While its leaves and seeds are often used in traditional Chinese medicine, modern research primarily focuses on ginkgo extract, which is made from the leaves.

Besides being a powerful antioxidant, studies indicate that the additional benefits of ginkgo biloba include fighting inflammation, improving circulation and heart health, and improving brain function and well-being, amongst others.



LIVER  
SUPPORT



RED BLOOD  
CELLS



ENERGY

## DIRECTIONS FOR USE:

Cats: 1 - 2 ml per day

Small Dogs: 1 - 2 ml per day

Medium Dogs: 5 - 7.5 ml per day

Large Dogs: 10 - 15 ml per day

## WARNINGS:

- For animal use only.
- Use only as directed, or as otherwise specified by a veterinarian.
- Discontinue at any sign of adverse reaction and consult a veterinarian.
- Keep out of reach of children and uninformed persons.

COMPOSITION	
Ingredient	Amount per g
Whey protein	86.96 mg
DL-methionine	40.70 mg
Vit E (alpha tocopherol)	39.61 mg
L-arginine	21.74 mg
Vit C (ascorbic acid)	17.39 mg
Ginkgo extract	875.50 ug
Vit B3 (nicotinamide)	612.70 ug
Vit B2 (riboflavin)	329.78 ug
Vit B5 (pantothenic acid)	195.09 ug
Vit B1 (thiamine)	59.80 ug
Vit B6 (pyridoxine)	53.57 ug
Choline	33.02 ug
Chloride	11.24 ug
Vit B9 (folic acid)	3.47 ug
Vit B12 (cyanocobalamin)	1.39 ug
Extract from fermented <i>Megasphaera elsdenii</i> culture	



Available in  
100 ml bottle



# k9-collagen

Cartilage and joint supplement for dogs

Reg. No. V30342 Act36/1947

Collagen has a number of benefits for the human body and can be just as helpful to your beloved pet. As dogs get older, their capacity to produce collagen diminishes. K9-Collagen can be used as a supportive supplement to keep your dog's joints, digestive system and skin feeling great!

Supplementing your dog's daily diet with the appropriate amounts of K9-Collagen while they are still young will benefit them into their old age.

Collagen is the most abundant protein in mammals and is the main component of connective tissues. The name collagen comes from the Greek *κόλλα* (kólla), meaning "glue", and suffix *-γεν* (gen), meaning "producing". Over the last few years, 28 types of collagen have been identified but the first five (I, II, III, IV, V) are the most common.

## COLLAGEN TYPE II

Type II collagen is a naturally occurring type of collagen found in cartilage and inside joints. K9Collagen contains type II collagen, which works by improving lubrication and thus the mobility of joints, as well as increasing the elasticity of tendons and ligaments.

## VITAMIN C

In addition to its antioxidant functions, vitamin C regulates the synthesis of the structural protein collagen and assists the body in storing it.



JOINT  
HEALTH



SKIN



TENDONS &  
LIGAMENTS



DIGESTIVE  
SYSTEM

## DIRECTIONS FOR USE:

Dogs up to 5 kg: Half a scoop once daily over food.

Dogs 6 – 20 kg: One level scoop once daily over food.

Dogs over 20 kg: Two level scoops once daily over food.

3 g scoop included.

## WARNINGS:

- For animal use only.
- Use only as directed, or as otherwise specified by a veterinarian.
- Discontinue at any sign of adverse reaction and consult a veterinarian.
- Keep out of reach of children and uninformed persons.

COMPOSITION	
Ingredient	Amount per g
Hydrolysed collagen type II	170 mg
Vitamin C (ascorbic acid)	4 mg



Available in 200 g  
containers

Healthtech's ultra-pure **msm** is the purest form of dietary Methyl Sulfonyl Methane available. Methyl Sulfonyl Methane has anti-inflammatory properties, improves flexibility and accelerates healing.

## METHYL SULFONYL METHANE (MSM)

In its pure form, sulfur is unstable, often breaking down during most forms of processing in feed. **Msm** provides an excellent dietary source of sulfur in a more stable form enabling it to be delivered to your dog in a more absorbable/ bioavailable form.

Sulfur is important for the maintenance of normal connective tissues in the body. It retards the formation of scar tissue and slows neurotransmitters, resulting in muscle relaxation. A low level of MSM is associated with stress, organ and tissue malfunction and susceptibility to disease.

MSM has been shown to normalise certain body functions in patients displaying physiological symptoms of stress and exhibits anti-inflammatory properties along with free radical scavenging. It has also been found to alleviate allergies, arthritis, gastrointestinal upset and musculo-skeletal pain.



JOINT  
MOBILITY



ANTI-  
INFLAMMATORY



PURE

## DIRECTIONS FOR USE:

**DOGS:** Feed 1-5 g twice daily for the first 7 days, and thereafter once daily as a maintenance dose.

5 ml scoop included (1 level scoop = 5 g **msm**).

## WARNINGS:

- For animal use only.
- Use only as directed, or as otherwise specified by a veterinarian.
- Discontinue at any sign of adverse reaction and consult a veterinarian.
- Keep out of reach of children and uninformed persons.
- Store in a cool, dry place.
- Keep the container lid tightly sealed after opening.

COMPOSITION	
Ingredient	Amount
Methyl sulfonyl methane	100%



Available in 500 g  
and 1 kg containers

**Petflex** is used for the treatment of many joint conditions in dogs. The product combines the properties of glucosamine and chondroitin sulphates, the building blocks of cartilage, with that of ultra-pure MSM, which stabilises physiological stresses in the body. **Petflex** supports optimal joint health.

## MSM

Methyl Sulfonyl Methane (MSM) is a brilliant source for sulfur, used by the body to maintain a variety of normal connective tissues. MSM has anti-inflammatory properties, alleviates arthritis, musculo-skeletal pain and boosts the immune system. Research has shown that MSM is highly effective in improving joint flexibility and also accelerates healing.

Lactic acid and other by-products cause pain and soreness in the body. MSM increases the ability of the body to eliminate waste products at a cellular level. Too-low concentration of MSM has been associated with stress, organ and tissue malfunction and fatigue. These malfunctions manifest most commonly as gastrointestinal upsets, inflammation of mucous membranes, allergic reactions, inflammatory disorders including arthritis, muscle cramps and also infections.

## GLUCOSAMINE SULFATE

Glucosamine is used by the body to produce a variety of other chemicals involved in the building of tendons, ligaments, cartilage and the thick fluid that surrounds and cushions joints. With arthritis, the cartilage breaks down and becomes thin resulting in joint pain and stiffness. Glucosamine helps to rebuild the cartilage and joint fluid or prevent further breakdown of these substances.

## CHONDROITIN SULFATE

Chondroitin is a member of the family of natural body lubricants and has particular importance as a structural and lubricating agent in cartilage tissue, where they produce cells called chondrocytes. Reduced production of chondroitin sulfate and/or excessive damage to joints can lead to a deficiency manifesting as a degenerative joint disease.

## OTHER INGREDIENTS

Ascorbic acid is essential for proteoglycan and collagen synthesis. Lysine and methionine are important for the production of muscle, cartilage and various other tissues. A zinc deficiency slows the synthesis of glycosaminoglycans and impairs the healing of damaged connective tissue. petflex, by supplementing the normal nutrition of an animal with the above-listed ingredients, supplies the body with substances vital for a holistic approach to the treatment of joint conditions.



JOINT  
MOBILITY



OPTIMUM  
VITALITY



ANTI-  
INFLAMMATORY

## DIRECTIONS FOR USE:

Large dogs: Initial amount of 5 g (2 scoops) 3 times daily. Maintenance 5-10 g (2-4 scoops) daily.

Medium dogs: Initial amount of 5 g (2 scoops) 3 times daily. Maintenance 5 g (2 scoops) daily.

Small dogs and cats: Initial amount of 5 g (2 scoops) daily. Maintenance 2.5 g (1 scoop) daily.

5 ml scoop included (2 scoops = 5 g **Petflex**).

## WARNINGS:

- For animal use only.
- Use only as directed, or as otherwise specified by a veterinarian.
- Discontinue at any sign of adverse reaction and consult a veterinarian.
- Keep out of reach of children and uninformed persons.

COMPOSITION	
Ingredient	Amount per kg
Glucosamine sulfate	135 g
Chondroitin sulfate	100 g
MSM	250 g
Vit C (ascorbic acid)	4 g
Zinc (chelated)	1.27 g
Manganese (AAC-Mn)	0.77 g
Copper (AAC-Cu)	0.3 g
Lysine	2.56 g
Methionine	4.4 g



Available in  
100 g and 450 g  
containers