

SAFECHAN-70™

PRODUCT TECHNICAL DATA SHEET

Chemicals Name: Active Charcoal, Soluble carbohydrate

Warning Statement Required: For veterinary use,
Not for human Consumption.

Caution Statement: Keep out of reach of children.
Discard empty container according to local regulations.

Operation Table:

Principal animal	Product name	Use product level	Indication of product use for production and veterinary effects
Cattle (Beef and Dairy), Sheep, Goats, Horses, Wild herbivorous animals, Swine, Dogs, Cats, Poultry, Wild birds, Fish.	Safechan-70	1-5kg/ton (0.1-0.5%)	For increased rate of weight gain and improve feed efficiency. For prevention or reduction of diarrhea and mycotoxins and bacteria contaminations of various toxins illness by effective reduction of growth of the pathogens bacteria such as e coli and salmonella, and may help to reduce the numbers of Cryptosporidium spores and absorb toxins from the feed, enhancing the benefit provided by the food consumed, and increasing the supply of clean nutrients to the intestines. Reduce antibiotic treatments.
Cattle (young calves)	Safechan-70	20-50g per/head/day. (one to two full table spoons).	To avoid or prevent digestive disorders (diarrhea) in young ruminants animals. For digestive disorder treatments use 1%

		<p>For small lambs 1/2 teaspoon.</p> <p>To be started after the Colostrums milk for more than 14 days.</p>	<p>from the animal dry matter intake. For increased rate of weight gain and improve feed efficiency.</p>
Cattle (Milking Cows)	Safechan-70	<p>200-250g per/head/day for more than three days. (Mix well in 1 liter tap water and shake well).</p>	<p>To treat digestive disorders (diarrhea) from mycotoxins contamination in milking cows.</p> <p>After three to four treatments the animal will give almost the same amount of milk as before the case of diarrhea and the reduction in milk production.</p>

Safechan-70™ Properties:

Feed Additives for Ruminants, Pork and Chickens farming

An additive that should be mixed in with the Ruminants, pork chickens, fish and other farm animals complete feed, milk, milk powder or water, its aim is to absorb toxins from the animal digestive tracts and has a positive effect to reduce mycotoxins levels such as aflatoxins by more than 80% of the contamination. The Safechan-70™ helps to prevent slow down and stop the development of digestive disorder from various toxins.

In addition, Safechan-70™ can have a positive effective in reduction of bacteria numbers such as *salmonella and e coli* clearly when the young animal is in a high risk. Also it may affect positively and absorb the *cryptosporidium* contamination from the intestine and as results has a positive prevention effect.

For our best scientific knowledge the Safechan-70™ protects the animal and as a result the animal can grow easily without interferences with less antibiotic cost and accelerates the growth rate.

Ingredients:

Active Charcoal, Soluble carbohydrate, Fiber, Vegetable Protein and Minerals.

Advantages:

Non corrosive, easy to mix in all meals, milk, milk powder or water, does no harm to the food, slows toxins effects from mold development, maintains feed quality and maintains feed hygiene.

Saves feeding costs.

Feeding Instructions:

Mix 1-5 kg. of Safechan-70™ with every 1000 kg. of food.

To avoid digestive disorders in young ruminants animals use 20-50g per animal per day (one to two full table spoons).

For digestive disorder treatments use 1% from the animal dry matter intake.

Storage:

Cool Shady storage facility.

Not for human Consumption

Producer:

Produced and marketing by:

E. H. Smoler Consulting Research for Agricultural Science LTD.

PO Box 283 Gedera 70752, Israel,

Tel-972-50-5628125, 972-8-8601315, Fax-972-8-8505292, E-mail-esmoler@bezeqint.net

Plant Protection Inspection (PPI) Authorization no. 631.

Shelf Life:

24 months from date of production

What is Safechan-70™?

Safechan-70™ is a trademarked patented animal nutrition product (pending patent in USA) designed for any kind of livestock rations.

Safechan-70™ is comprised of select active charcoal, nutritional fiber, soluble carbohydrates and minerals.

Safechan-70™ is an additive that should be mixed in with the Ruminants (Milk and beef), Chicken, Pigs, Horses and Fish or other animals complete feed. Its aim is to absorb toxins from the animal digestive tracts. The Safechan-70™ help to prevent slow down and stop the development of digestive disorder from various toxins.

The product contains several ingredients: Active Charcoal, Soluble carbohydrate, Fiber, Vegetable Protein and Minerals.

Advantages:

Non corrosive, easy to mix in all meals, does no harm to the food, slows toxins effects from mold development, maintains feed quality and maintains feed hygiene.

Economical benefits: Safechan-70™ Saves feeding and animal live costs and reduce significantly antibiotic and medical treatments.

Feeding Instructions:

Mix 1-5 kg. of Safechan-70™ with every 1000 kg. of a animals feed.

To avoid digestive disorders in young ruminants animals use 20-50g per animal per day (one to two full table spoons).

For digestive disorder treatments use 1% from the animal dry matter intake.

Production:

The unique composition of the product was carefully designed using the advanced technologies of the animal feed industry to provide for specific physiological needs.

Safechan-70™ is produced and marketed by E. H. SMOLER Consulting Research and Agricultural Science LTD.

The product was developed in Israel by Dr. Eliezer Smoler.

Users:

Dozens of dairy farms, Beef farms and Pigs farms throughout Israel and overseas have purchased Safechan-70™, after the supplement was tested in feasibility studies and was carried out at animal's farms: Kibbutzim, Moshavim and feeding centers and commercial farms overseas.

The field experiments took place over a five-year period with thousands of heads of cattle, Lambs and pigs in various climatic conditions, under the intensive feeding regimens of the Israeli dairy cattle industry.

Main uses:

Safechan-70's main contribution is the improved health conditions and hence the efficiency of the animal. The product's primary effects include enhanced production - in both milk and beef - while reducing toxins effect and diarrhea events that reduce food intake levels almost at all.

Safechan-70™ improves the health condition and digestibility tracts efficiency of different feed components in the rumen and intestines, which as a result increases the absorption of important nutrients, thereby providing enhanced benefit from the food consumed.

Safechan-70™ causes increased reduction growth of the pathogens bacteria such as *e coli* and *salmonella*, and may help to reduce the numbers of *Cryptosporidium* spores and absorb toxins from the feed, enhancing the benefit provided by the food consumed, and increasing the supply of nutrients to the intestines. This in turn results in improved economic efficiency for the producer.

When added to the planned daily ration, Safechan-70™ increases the producer's revenue in two ways:

- 1) Increasing production of economy-corrected milk (ECM) by 2-6 Kg/day depends on animal condition.
- 2) Increasing food conversion rate (FCR) by 5-8%.

The individual producer's calculation will be based on the specific farm conditions (number of head, milk quotas, summer milk production, winter milk production, etc.).

Safechan-70™ assists with the following:

- Stabilization of digestive tracts.
- Increased metabolism of proteins and carbohydrates
- Enhanced supply of metabolically nutrients.
- Enhanced absorption of nutrients
- Enhanced performance (milk, ECM, physical growth, feed utilization, economic efficiency).
- Improved milk quality (additional milk volume and solids).
- Improved status of the digestive system (less cases of diarrhea).
- Reduced the use of antibiotic treatments and medical care.
- Reduced release of nitrogen in the environment
- Reduced release of fluids in the environment.

Product Technical Description:

Safechan-70™ is comprised of select charcoal, carbohydrates, minerals and fiber that act in a controlled manner in the rumen and intestinal tract. The unique composition of the product was carefully designed using the advanced technologies of the animal feed industry to provide for specific physiological needs.

The product increases the efficiency of protein metabolism of the animal by increasing the absorbance of amino acids and carbohydrates from the rumen and the intestinal.

The product is powder or small 1-2mm pellets in black color free to flow and mix in any feeding mill and easy to handle.

Ingredients are including: Charcoal, fiber, carbohydrates and minerals.

The process involves the following steps:

Safechan-70™ production line using basic feeding meal technologies to

Produce the product:

1. Mixing raw materials. >>>
2. Reaction. >>>
3. Produce pellets/powder. >>>
4. Drying. >>>
5. Packaging.

Trials and Observation Results for Safechan-70™ are being carried out over the world and will be supplied separately from this paper according to request and connections.
