



An ISO 9001 , 14001 Certified Company
SKYSULF SULPHUR BENTONITE 90

Product Name	-	Sulphur Bentonite 90 %
Appearance	-	Dark Brown Shape Pastilles 2-4 mm.
Odor	-	Faint Odour Of Rotten Eggs.
Melting Point	-	120 Degree Centigrade.
Flash Point	-	207 Degree Centigrade.
Vapor Pressure	-	8.5 mm Hg @ 240 Degree Centigrade.
Bulk Density	-	1.211 Kg / Litre.
Purity	-	90.00 %
Inert Ingredients	-	10.00 %
Available Packing	-	1 , 2 , 3 , 5 , 25 , 50 , 1250 kgs. Bag
Application	-	Used As Soil Nutrient , Blend With N , P , K Fertilizer For Soil Applications.



Why Use Sulphur Bentonite?

- Sulphur Bentonite 90 % is produced from pure elemental sulphur. It provides a slow-release, high-quality soluble sulphate source for plants through biological reactions, and as a result, it can offer several advantages over other forms of sulphur and sulphate fertilizers.

High nutrient efficiency:

- Slow release, providing sulphate sulphur throughout the entire crop season.
- High analysis, enabling the use of lower product volumes, which reduces warehousing and freight costs.
- Minimal nutrient leaching and runoff losses until converted to sulphate form.
- Ability to build up available sulphur levels in the soil for the following season (due to larger particles).

Savings in nutrient, storage and application costs:

- Reduced storage volume for dealers and growers.
- Fewer application passes required for growers.
- Lower sulphur nutrient costs.
- Allows the grower to choose the form of nitrogen and their preferred application time.

Sulphur is a key nutrient:

- Sulphur is known to improve the metabolism of nitrogen, phosphorus, and potassium , chlorophyll formation.
- Elemental sulphur can be used in soils where sulphur deficiency is known to exist. The application of sulphate sulphur will lower the pH of alkaline soils.
- Sulphur also helps in the dissolution of soft rock phosphate in soils when blended with RPR. It can be added to other mineral blends to increase sulphur for one-pass applications.

Sulphur Bentonite Degradation:

- The Thiobacillus bacterium is naturally occurring in nearly all soils.
- When sulphur bentonite is applied, the moisture in the soil is absorbed into the bentonite clay, which swells and breaks the pastille particles into very small sulphur particles in the range of 20-500 microns. then the bacteria already present in soil, that digest sulphur and convert into sulphate form,

How To Use:

- It can be used for soil application at the time of sowing or first irrigation.
- Application doses in general for cereals are 8-10 kg per acre; for potato, pulses/legumes, oilseeds, onion, and vegetables, it's 12-15 kg per acre; for fruit crops, it's 10-12 kg per acre. However, the dose of application depends on the crop and recommendations based on the Soil Test Report.
- Application can be made through broadcasting, banding, lining, or spot application, etc.
- The time of application should follow recommendations for specific crops, such as at the time of land preparation, seed sowing, puddling, transplanting, etc.

Applications:

- It is used for oilseed plants like groundnut, coconut, sunflower, palm oil, and olive trees, resulting in a 30-35% increase in yield.
- It is applied for all kinds of cereals, improving their size.
- Applied for all kinds of fruits, enhancing their taste, odor, and pulp thickness.
- Applied for paddy and wheat crops, where it improves the yield by 15-20%.

Handling:

- Use it in a well-ventilated area away from heat, flames, sparks, and other ignition sources. Minimize dust formation. Keep containers tightly closed. Ground and bond all handling equipment to avoid static sparks. The use of spark less electrical equipment is recommended. Avoid skin and eye contact and inhalation of dust. Keep clothing as free from dust as possible.

Storage:

- Store it in a cool, well-ventilated area away from sources of heat or ignition and out of direct sunlight. Keep it away from foodstuffs, seeds, herbicides, and insecticides. It becomes corrosive to metals when stored wet.

Eye Contact:

- In case of contact, irrigate thoroughly with copious quantities of plain water.

Skin Contact:

- Wash with mild soap and water.

Ingestion:

- If swallowed, induce vomiting only if the victim is conscious. **DO NOT** attempt to give anything by mouth to an unconscious person.

Manufacturing Facility

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