

ACTIVATEUR 'S'

Basic yeast growth medium

Thiamin and ammonium sulfate containing compound.

CHARACTERISTICS

Microorganisms require a combination of various factors for growth viz.:

- Nutrients - water and carbon are mainly provided by the carbohydrates, amino acids and some minerals;
- Environment - temperature, pH, oxygen (aeration);
- Vitamins - thiamin, biotin, pantothenic acid, etc. These are of particular importance for the growth of yeast.

Activateur S provides the growth factors and nitrogen needed by the yeast during fermentation.

- Thiamin, a growth factor, noticeably activates fermentation
- It's addition to juice reduces the production of pyruvic acid, thus decreasing SO₂ binding;
- Ammonium sulfate supplements nitrogen availability, which is often low in grapes from dry climates, or in grapes suffering from botrytis.

Activateur S increases the ability of the juice to ferment under most conditions.

By allowing a decrease in the SO₂ dosage during the crushing operation, **malolactic fermentation** takes place more easily and oxidation is reduced.

Like all living organisms, yeasts require nitrogen for multiplication. Availability of the nitrogen provides for fast multiplication and hence accelerates the fermentation to completion. This reduces the amount of VA's being formed during alcoholic fermentation. This is more pronounced in juices with high sugar contents, or from grapes with botrytis.

- **Botrytis grapes**: in this case, a fast fermentation allows earlier separation of juice and stems, reducing the risk of oxidation and retaining maximum aromatic components;
- **Stuck fermentations**: addition of **Activateur S** and an alcohol tolerant yeast is highly recommended.

APPLICATION RATES

10-20 g of powder/100L.

INSTRUCTIONS FOR USE

Dissolve in purified, free from Cl₂ water or juice in a ratio of 1 : 10.

INGREDIENTS

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- Ammonium sulfate, 96,4 %
 - Thiamin, 0,3 %.

PACKAGING

1 kg and 5 kg packed in white polyethylene pouches.

STORAGE

Unopened in a dry, odorless, dark and cool place.

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