



# VinProtect

Comprehensive protection for grapes, must and mash

## Product description

VinProtect is a special product made from 50 % potassium disulfite, vitamin C (L+) ascorbic acid) and an oenological tannin. It provides comprehensive protection against oxidation and undesirable microorganisms. VinProtect protects the aroma potential during grape processing and in the fresh juice. It furthermore supports the general strategy to reduce the addition of SO<sub>2</sub> during vinification. Potassium metabisulphite and vitamin C (ascorbic acid) are proven oenological tools for protecting against oxidation and undesirable microorganisms. VinProtect's antioxidant effect is supplemented by a purely botanical, high purity tannin which, because it dissolves rapidly, is particularly good for use in mash or fresh juice. The high tannin content and purity is achieved using special extraction processes.

VinProtect provides effective protection against oxidation and ensures aroma and flavour components are stabilised as early as the mash stage, in juice, or later in the wine. It has a high antioxidant effect due to its selected components. The formation of off-flavours (such as volatile acidity) is minimised by the suppression of undesirable microorganisms. When VinProtect is used the must is given extensive protection, whilst simultaneously reducing SO<sub>2</sub> discharge.

Permitted according to EU Commission Regulation no. 2019/934. User must check compliance with national regulations. Laboratory tested for purity and quality.

## Dosage and use

Intended purpose	Dosage
Mash/juice, healthy	10 g/100 L (kg) corresponds to an SO <sub>2</sub> input of approx. 25 mg/L
Mash/juice, contaminated	20 g/100 L (kg) corresponds to an SO <sub>2</sub> input of approx. 50 mg/L
Wine	20 g/100 L (kg) corresponds to an SO <sub>2</sub> input of approx. 50 mg/L

Also, due to legal limits (EU/German Wine Act) the maximum dosage of 50 g/100 L must not be exceeded. The effect of sulfite depends on the pH value and temperature of the grapes/wine.

**1. Mash:** VinProtect is sprinkled over the crushed grapes or added gradually during crushing. A dosage of 10 - 20 g/100 kg mash is recommended depending on the health of the mash.

**2. Must:** VinProtect is added to the fresh juice if not added to the mash. VinProtect is dissolved in a small quantity of juice, then gently and thoroughly mixed in to achieve the optimum effect.

**3. Wine:** When used in wine the powder is dissolved in a small quantity of wine, then gently mixed into the wine. Of course, the legal limits for total sulphurous acid should be observed for the dosages. The legal maximum ascorbic acid content in wine is at 250 mg/L.

## Storage

Store in a cool, dry place, away from odours and light. Packs which have been opened should be immediately tightly sealed. Keep out of the reach of children.