

# PHOSPHATE DIAMMONIQUE

## Pure diammonic phosphate

### NUTRITION AND MULTIPLICATION OF VINIFICATION YEAST

#### CHARACTERISTICS

- ◆ **PHOSPHATE DIAMMONIQUE**, still incorrectly called ammonia phosphate or bibasic phosphate, is a very pure salt under the form of thin, non-flammable and odourless white crystals.

Formula :  $(\text{NH}_4)_2 \text{HPO}_4$

Molecular weight : 132,1

Contains : 25,5% of  $\text{NH}_3$   
54% of  $\text{P}_2\text{O}_5$

Very soluble in water and wine

- ◆ **PHOSPHATE DIAMMONIQUE** is used in oenology for its ammoniacal nitrogen. In fact, this compound is necessary to the biosynthesis of parietal proteins, needed for the transfer of sugars from the outside to the inside of the cell.
- ◆ Without nitrogen, yeasts can not multiply or ferment the sugar.
- ◆ The nitrogen present in the musts is rapidly consumed in the first hours of fermentation. Sometimes the nitrogen is lacking at the end of fermentation, which means that the fermentation does not end.
- ◆ For all these reasons, an input of **PHOSPHATE DIAMMONIQUE** at the beginning of the alcoholic fermentation allows the fermentation to end.
- ◆ All the recent scientific research proves that 2 inputs, with an oxygen supplement, is the right solution to resolve fermentation problems encountered in the last few years.

#### LEGISLATION

- ◆ The use of **PHOSPHATE DIAMMONIQUE** is regulated (EC 1493/99 regulation).
- ◆ Maximum legal dose : 100g/hL
- ◆ This dose adds up with the other authorised ammonia salts (ammonia sulphate) or with the complex nutriment consisting of an ammonia salt.  
The total limit is 1 g/L (100g/hL)
- ◆ For the second fermentation in sparkling wines, the limit is 0,3 g/L (30g/hL).
- ◆ Caution : **PHOSPHATE DIAMMONIQUE** is only authorised on musts or fermentation musts.



## DOSAGE AND INSTRUCTIONS FOR USE

- ◆ **At the yeasting :**  
10g/hL to 15g/hL  
To be dissolved, first of all, in some must
  
- ◆ **During the alcoholic fermentation :**  
Specific weight close to 1040 : 10g/hL to 15g/hL  
To be dissolved, first of all, in some must. The incorporation to the must will be complemented by an oxygenation (or an aeration).  
Refer to the following product specification sheets :  
**OXYFRITTE, OXYFUT OR ACTIFERM 1-2.**

## PACKAGING

- ◆ 1 kg bag – carton of 25 x 1 kg
- ◆ 25 kg sack

## STORAGE

- ◆ Full original sealed packaging, store in a dry, odourless environment, out of the light.
- ◆ Once opened, use quickly.