



**PRODUCT INFO
& DATASHEET**

Specialty chemicals for improving fertiliser quality

AN 1035 **ANTICAKING AGENT FOR NPK FERTILISERS**

28/12/2020

1. INTRODUCTION

Caking of granulated fertilisers while storing in bags or bulks poses a serious problem to consumers and producers alike. The caking problem is more with fertiliser plants which are situated in humid zones. AN 1035 is developed to protect the granulated fertiliser from caking. AN 1035 is a surfactant-based formulation which repels moisture to avoid contact with the fertiliser granules. Coating by AN 1035 makes the fertiliser free flowing and free from any attrition to small particles or powder. The film formed on the granulated fertiliser is so thin that it does not impair the basic character of the fertiliser granules.

2. GENERAL SPECIFICATIONS

1. Physical State : Free flowing liquid (brownish/amber colour which doesnot impact any colour to the fertiliser)
2. Density : 0.9 – 1.0 gm/cc
3. Flash Point : > 100° C

3. DOSAGE

Dose rate of AN 1035 is very low. Dose ranges between 0.1% to 0.2% per ton of fertiliser production depending upon the coating facilities, environmental conditions, fertiliser composition & storage conditions.

4. MODE OF APPLICATIONS

AN 1035 is to be sprayed on fertiliser in coating/cooling drum. In case coating/cooling drum is not available, it can be sprayed on product conveyor.

5. PACKING

- 250 kg HDPE drums (16 MT/20')
- 1 MT IBC (18 MT/20')

ANTICAKING CUM COLOURING AGENTS

We can also provide you our anticaking cum colouring agents which is a unique package for the fertiliser manufacturer as these anticaking agents additionally impart colour to the fertilisers as desired by the manufacturer. Now a current trend in fertiliser industry is to colour the fertiliser.

This agent is a single, cost effective solution for preventing caking in the fertiliser as well as colouring the fertiliser granules. It is not only reducing the cost of using anticaking agent and colouring agent separately but also results in handling one agent rather than using two different agents. Generally our customers require black and dark brown anticaking cum colouring agents. Please indicate required colour so we can recommend the suitable product.

The advantages of colouring the fertilisers are numerous but major ones are:

- The product of a particular manufacturer gets a unique identity and helps to improve Brand Promotion
- High cost fertilisers become adulteration proof
- Raw material variations which in turn give rise to colour variation of the end products is not conducive for market identity. Colouring very much helps for uniformity irrespective of the nature of the material.

Disclaimer

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