



INDO
AMINES
AMERICAS LLC



Granulation of fertilizer has never been so easy
Granulating Aid INDOGRAN has made it possible

Major features of **INDOGRAN**

- Good Binding Property
- Reduction in deposits on the inner side of Dryer
- Reduction in choking of screens
- Reduction in Dust Generation to almost 90%
- Reduction in Fines
- Improved granulation
- Suitable for all types of Granulation Plants
- Suitable for high K & P types of fertilizers
- Available in Liquid and Powder form
- Dosing of Granulating Aid is done in the Granulator
- Easy to apply by using a Metering Pump or By Mixing In Water of Granulation or Manually

Granulating Aid

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Indo Amines have studied the granulation of various fertilizers of different customers and have introduced a Granulating Aid to help the fertilizer industry to maintain their product quality. Granulating Aid is a product especially developed for improving the granulation of all types of granular fertilizers like DAP, NPK, NP, CAN, ANP, Urea, etc.

Granulating Aid: manufactured is a tailor-made formulation depending on the problems faced by the fertilizer industry with respect to granule shape, size, strength, etc. The product can be tailored to increase the binding property for better strength, agglomeration property for better granulation and adhesion property for better reduction in dust generation.

The Granulating Aid is purely an organic, nontoxic viscous liquid formulation. This product can be continuously added using a metering pump or gear pump directly into the Granulator. The Granulating Aid is a water soluble product that easily mixes with the mass of fertilizer in the Granulator.

Granulating Aid for Mixed Fertilizer (Granulation Plants): Granulating Aid can also be tailor-made for use in Mixed Fertilizer plants (Granulation Plants) that mixes various types of fertilizers and granulate them to manufacture various grades of NPK's. Their problems are especially binding to get better crushing strength as the granulation is composite due to physical mixing of various fertilizers.

Also when they use water or steam for granulation their products have a very high moisture content. Granulation Aid can be tailor-made based on the type of fertilizer they manufacture and their basic needs for improvement in particular parameter.

For Mixed Fertilizer Granulation Plants the product can be directly added in the water used for granulation for uniform application or can be directly dosed at the feed end of the granulator. A Metering Pump can be used for continuous dosage.

Granulation of SSP Fertilizer: We have developed a special low priced Granulating Aid for the granulation of SSP fertilizer. SSP fertilizer granulation is similar to NPK granulation using water or steam. The basic problem with SSP granulation is that the Rock Phosphate has very poor binding strength therefore there is a lot of powdering during the granulation. Also the granule strength is poor. This damages the granulation during storage.

Granulation of Fertilizer during use of Fillers: Sometimes the Fertilizer Companies use Fillers that have very poor binding properties and therefore they face problem in forming granules of good quality to sustain during transportation.

These Fillers are like Gypsum, Sand, Lime, etc. Our Granulating Aid can help in improving the granulation of such fertilizers.

Granulation of Organic Fertilizers: The latest trend of Fertilizers is Organic Fertilizers or Bio-Fertilizers. We have developed special Granulating Aid for these types of fertilizers where it does not harm the biological performance of the fertilizer and can help in formation of good granules.

Effect on the Nutrient Value of Fertilizer: Granulating Aid has no effect on the Nutrient Value of the fertilizer as it does not react with any nutrients of the Fertilizer.

Granulating Aid in Powder Form: The product is added in the Granulator along with the raw material input. Depending on the plant load the product can be added on the conveyors carrying the raw materials to the hoppers directly transferring the material to the Granulator inlet. However for continuous addition a vibratory feeder can be used for controlled and continuous addition. This will help in uniform application of the granulating aid in the Granulator.

Technical Service: Indo Amines has the expertise to provide and install a suitable dosing system for the dosing and application of the Granulating Aid. Our Technical Service Team can assist you in use, application and evaluation of the Granulating Aid in your plant.



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