

# LIGOSA

An Ultimate Emulsifier

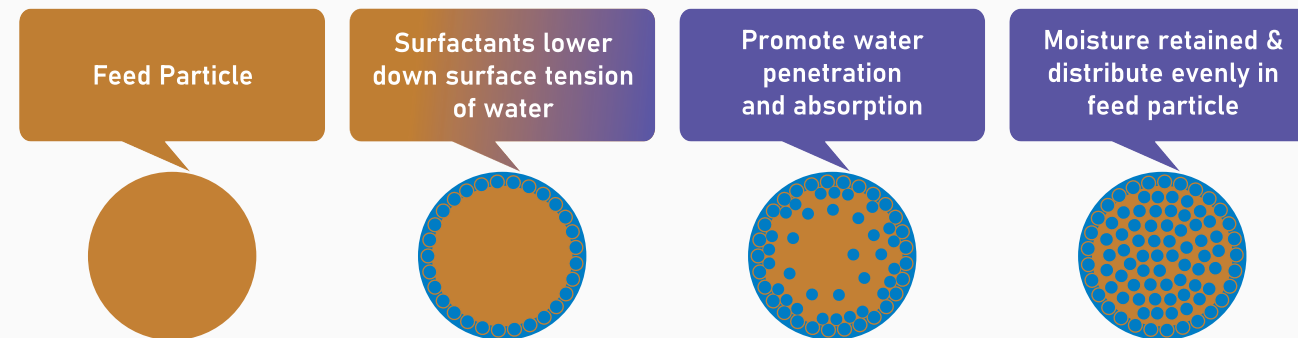
## FEATURE

- Non-ionic emulsifier
- Strong HLB capacity
- Homogenous mixing of water and oil
- Better fat digestibility
- Better FCR



## BENEFITS

- Moisture optimization and retention in the feed



- Better PDI
- Better electrical power saving during pelleting process
- Better throughput of feed mill
- Better conditioning effect
- Better die and press roll life
- Helps in better oil emulsification and digestibility



## DOSAGE

200 grams to 400 grams/ ton of feed

## PRESENTATION

200 KGS Drum



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An Ultimate Emulsifier



OPTIMA POULTRY

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# LIGOSA

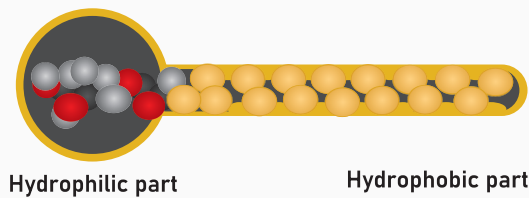
## An Ultimate Emulsifier

Oil offers a good source of fatty acid and it is also an high energy source because energy is a major cost component in the feed formulation. Now **LIGOSA** can be used to improve fat digestibility which also improves the energy efficiency. Young birds have limited production capacity of bile salt and therefore fat digestibility is limited in the early stage of life. Apart from this the characteristics of the dietary fat and the amount of added fat can restrict the digestibility in older birds also.

**LIGOSA** is a type of non-ionic emulsifier from vegetable oil and ethoxylated oil base, which consists of traditional fatty acids and also the unique ricinoleic acid.

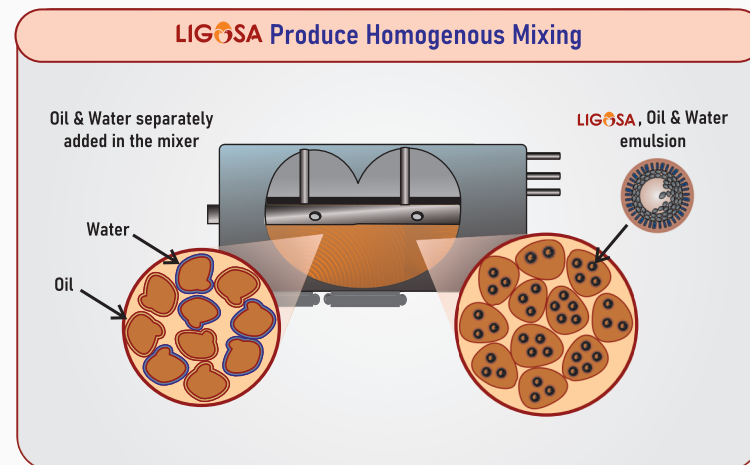
**LIGOSA** an ultimate emulsifier, which will effectively mix oil in water, for better utilization of oil & to get maximum ROI.

An emulsifier is a molecule consisting of a hydrophilic and a hydrophobic (lipophilic part). The hydrophobic part of the **LIGOSA** consist of glycerol.

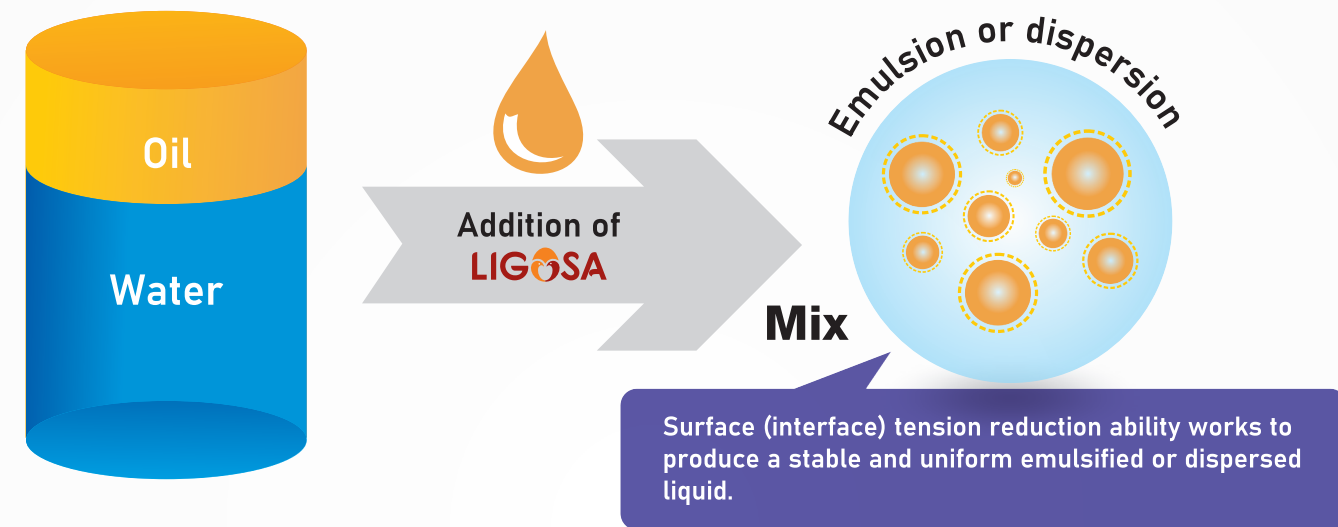


### Emulsifier helps in desired emulsification, moisture optimization and moisture retention.

- Moisture optimization and retention is important from an economic perspective as well as to improve feed quality and also to improve the shelf-life of feed.
- Moisture optimization in feed reduces energy consumption during the process of pelleting, ensuring smooth production by minimising possible blockages and even weight distribution in pelleting machine.
- Moisture optimization in feed compensates the losses during grinding and cooling process, which helps to maintain feed palatability and feed consumption.



### A. Emulsification:



### COMPOSITION

Ethoxylated Castor oil

India is the worlds single largest castor seed producer, contributes more than **85%** of worlds castor seed



### MODE OF ACTION

