



trioban™
Antifoams/Defoamers

FOAM FORMATION DURING POTATO PROCESSING

Potatoes have a dry substance content of about 25 %. Mainly the dry substance consists of starch, crude fibres and proteins. Depending on the potato quality the percentage of these substances varies a lot. Foam is generated during potato processing because foam active substances (starch and protein) are extracted by water during transport, washing, peeling and cutting. The type and extent of foam produced varies accordingly with the type of potato quality and processing conditions.

Foam intensity of potatoes mainly depends on

- Humic Acid
- Proteins
- Degradation of Proteins and Starch
- Pectins
- Saponins

Processing methods vary considerably. Process conditions during food production such as French fries, crisps etc. differ from starch production conditions. Generally, the more foam active substances are washed into the process water the more foam is produced. This is mainly influenced by the turbulence, due to water circulation, and the temperature of the process water as well.

Problems due to foam

- Equipment performance
- Manufacturing process
- Increased water consumption

Need for highly efficient and reliable antifoam agents:

- For controlling foam
- For enhanced processes.
- To meet the needs of modern consumers for ecologically sound products
- For easy handling
- To conserve water
- To conserve energy

ANTIFOAM SELECTION GUIDE

ANTIFOAM NAME	Potato chips	Potato flakes	French Fries	Potato Powder
TRIOBAN PA 536	●	●	●	●
TRIOBAN PA 550	●	●	●	●
TRIOBAN P 985	●	●	●	●
TRIOBAN P 918	●	●	●	●

● Most recommended ● Least recommended

KEY BENEFITS OF USING TRIO ANTIFOAM

- Food Grade Antifoam
- High Performance Antifoam
- Conserves Water
- Very Effective @ Low Temperature
- Non - Toxic & Biodegradable
- Easy Handling
- Low Dosage
- Economical



1. Trio chemicals offers variable pack sizes for its products , most preferred being 25 kg carboy .
2. 25 kg packing enables easy handling and smooth movement of material in the plant premises.
3. Users are provided with safe working environment due to less weight lifting of material , easy handling .
4. User Indirectly contributes to CSR by providing good working conditions to their employees.
5. To avoid manual dosing of product in the line , Trio chemicals also offers imported dosing pump for uninterrupted dosing of defoamer and hence continuous processing.