

AGRI-FOOD

Food production

Fertilisers and crop protection



Food production



Seed oil extraction processes help to efficiently recover oil from seeds: up to 20% of oil is still left after the mechanical process (pressing) and this residual oil is recovered through a solvent extraction process.

Food-grade hexane is used all over the world to extract oil from seeds due to its optimum solvency power. Hexane is a light solvent that is easily removed from the edible oil and is also recycled during the process in a closed loop. The process is efficient, clean and allows the production of high-quality vegetable oil. Vegetable oil is an essential component in a healthy diet, therefore demand for seed oil is growing globally with the increasing of population and living standards.

When it comes to oil extraction, the solvents used are ultra-pure and suitable for food contact. Butanol and propanol are used as extraction solvents in the preparation of flavourings from natural flavouring materials.

Fertilisers and crop protection



Solvents (glycol ethers, hydrocarbon solvents) help formulating the most efficient agrochemical formulations. Solvents help to optimize the dosing of the active ingredient and to deliver cost effective formulations. As adjuvants they help reduce the amount of

plant protection product required by enabling it to spread uniformly and dry slowly, leading to higher absorbency. Hydrocarbon solvents, meanwhile, are used in oil containing sprays to coat the leaves of the crops and protect them against insects.

