

Data Sheet for Feed Materials

Manufacturer / distributor	Bunge Deutschland GmbH Bonadiesstr. 3-5 D-68169 Mannheim
Feeding stuff / product	Crude lecithin (no. 2.21.1 of the Catalogue of feed materials)
Product description	Product obtained during degumming of crude oil from oilseeds and oil fruits with water. Citric acid, phosphoric acid or sodium hydroxide may be added during degumming of the crude oil.
Information about the production process	Lecithin sludge is a by-product obtained from the refining of crude vegetable oil. This lecithin sludge is heated and dried under vacuum. The crude lecithin obtained in this way is stored in indirectly heated tanks until loaded.
Information about the use of processing aids	Citric acid is added during degumming of the crude oil.
Information about composition	Lecithins are mixtures or fractions of phosphatides obtained by physical procedures from vegetable foodstuffs Crude lecithin contains at least 55% acetone-insolubles.
Details about relevant undesirable substances within the scope of risk-oriented self-control	Regular monitoring of undesirable substances in accordance with the relevant applicable legal regulations and the requirements for controls plans for industry-specific certifications.
Information regarding shelf life, storage and transport	Under appropriate, controlled storage conditions, crude lecithin will keep for 12 months. The guidelines and standards for feed transport must be observed during transport.
Safety instructions	Crude lecithin is non-toxic, biodegradable, and does not require any particular safety measures with respect to loading and transport. Safety data sheets are available for more detailed information ¹ .
Information on critical ingredients	Residues of crude oil contaminants in the lecithin cannot be excluded.

¹ to be obtained from the manufacturer/distributor

The above information is for information purposes only and does not constitute a contractual assurance of product properties. The sales agreements of the sales contract apply. The contract numbers are indicated on the delivery notes.