

DATASHEET/ SPECIFICATION

Names

Trade name:	Lysolecithin (flüssig) E NGM
Chemical name:	hydrolysed lecithin
Other names:	hydrolysed lecithin, lysolecithin, E 322
INCI name:	Lysolecithin
CAS No.:	85711-58-6
EINECS/ EC No.:	288-318-8

Application

For information about the origin, nature, content and use lecithin, please of see our General Information Sheet "Soy Lecithin".

Lysolecithin (flüssig) E NGM contains hydrolyzed lecithin mixed with soy bean oil. In this product the naturally occurring ratio between the different phosphorous lipids and glycosides typically found in soy beans are adhere. Lysolecithin is a special derivate of lecithin in which one fatty acid is replaced by an OH-group.

This exchange of a fatty acid by a free OH-group result in much better emulsifying and dispersion properties in aqueous media compared to standardised lecithin. In formulations this means more water is bonded and you get a better skin touch. Also the disliked affects of long life fat films and "Stopping" move to a moisturized and silky skin sense. Furthermore this product tended to build up micelles which make lysolecithins a suitable co-emulsifier for o/w preparations with high water content.

As expected due to the oil content we suggest to apply Lysolecithin (flüssig) E NGM in the fat phase at temperatures between 60 to 80 °C. The use of an additional dosage of Lysolecithin (flüssig) E NGM in cold condition in case of instable emulsions or addition of sensitive natural oil is no problem anyway. The application concentration of 0.5 to 5 % strongly depends on the dimension of the fat phase, the texture of the fat/oil and the use or absence of gel builder in the formulation. Lysolecithin itself has no texturing properties it is a "pure" emulsifier.

Analytical data

Acetone insolubles:	min. 56 %
Oil (Soy bean):	max. 44 %
Toluene insolubles:	min. 0.3 %

Hexane insolubles: max. 0.3 %
Phosphatidylcholine: min. 7 %
Lyso -phosphatidylcholine: min. 3 %
Moisture: max. 1 %
Peroxide Value: max. 5
Acid value: max. 45
Viscosity: max. 10 Pa*s (25°C)
Iodine colour value: max. 65 (10 % in toluene)
Gardner colour value: max. 11 (10 % in toluene)
Heavy metals total as lead: max. 1 ppm
 Arsenic: max. 0.2 ppm
 Lead: max. 0.25 ppm
 Mercury: max. 0.1 ppm
Iron: max. 60 ppm
Microbiology: total plant count: max. 1000/g
 Yeasts: max. 30/g
 Moulds: max. 30/g
 Enterobacteriaceae: negative/ g
 Staphylococcus Aureus: negative/ g
 Salmonellae: negative/ 50 g

Physical and chemical properties

Physical state: liquid (viscous oil)
Colour: brown
Odour: characteristic
Solubility: Water: dispersible
 Fats/ oils: soluble
 Ethanol: partly soluble