

## Safety Data Sheet for Liquid Sunflower Lecithin

### Description

Sunflower lecithin is a fat-like substance that contains phospholipids, triglycerides. Lecithin works well on the interface of various substances. In the presence of two immiscible liquid phases, lecithin reduces surface tension and acts as an emulsifier.

### Scope of application

It is widely used in the food industry, including, but not limited to, production of confectionery, chocolate, bakery and flour confectionery goods, pasta, margarine and spreads, meat products, instant products and fast food and other food products. Formulated into oils it is effective as a mold release agent; it is used in greases for molds to prevent sticking.

Physical and chemical parameters		Method for determination
Weight content of substances insoluble in acetone, %, min.	60.0	GOST 32052-2013
Acid value, mg KOH/g, max.	36.0	GOST 32052-2013
Mass fraction of moisture and volatiles, %, max.	1.0	GOST 32052-2013
Color value of 10% solution in toluene, mg of iodine, max.	80.0	GOST 32052-2013
Weight content of substances insoluble in toluene, %, max.	0.30	GOST 32052-2013
Viscosity at 25°C, Pa·s, max. for liquid form	12.0	GOST 32052-2013
Peroxide value, mmol/kg of active oxygen, max.	10.0	GOST 32052-2013

### Microbiological parameters

Pathogenic microorganisms, including Salmonella, in 25 g of product, CFU, max.	Not allowed	according to regulatory documents in force on the territory of the state
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### Safety data

		Method for determination
Arcenic (w/w), mg/kg, max.	0.1	GOST 31628, GOST 26930, GOST 30538
Lead (w/w), mg/kg, max.	0.1	GOST 26932, GOST 30538, GOST 30178
Mercury (w/w), mg/kg, max.	0.05	GOST 26927
Cadmium (w/w), mg/kg, max.	0.05	GOST 26933, GOST 30538, GOST 30178
Aflatoxin B1 (w/w), mg/kg, max.	0.005	GOST 30711
HCH (α, β, γ - isomers) (w/w), mg/kg, max.	0.2	
DDT and its metabolites (w/w), mg/kg, max.	0.2	according to regulatory documents in force on the territory of the state
Caesium-137, Bq/kg, max.	60	
Strontium-90, Bq/kg, max.	80	
GMO, %	None	

### Organoleptic parameters

Homogeneous transparent or translucent viscous liquid, color: from light yellow to dark brown.  
Faint odour, peculiar to sunflower oil

### Method for determination

National Standard  
GOST 32052-2013

### Name

Liquid sunflower lecithin E322 (i)

### Storage conditions

Keep the product tightly closed, in the original packaging in a cool (temperature should not exceed 35°C), dry (relative humidity should not exceed 75%) place away from direct sunlight.

### Shelf life

18 months

### Packaging

Type of single package: 200 kg drum with removable lid or 1,000 kg container.

Type of transport packaging: 200 kg drum (can be installed vertically, 4 pcs per pallet) or 1,000 kg container.

### Regulatory information

The product is manufactured in accordance with GOST 32052-2013 and meets the requirements of Technical Regulations of Customs Union TR TS 021/2011 "On Food Safety" and TR TS 029/2012 "Safety Requirements for Food Additives, Flavorings and Processing Aids"



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