

## Sunflower lecithin, organic

### 1. Identifikation of Substance / Preparation and Company

Trade Name: Sunflower lecithin, organic

Supplier:

All Organic Trading GmbH  
Heisingerstr. 12  
87437 Kempten

Fax: 0049 (0) 831/5758 159  
Tel: 0049 (0) 831/5758 155

### 2. Composition / Information on Ingredients

INCI-Name: Lecithin  
CAS-No.: 8002-43-5  
EINECS-No.: 232-307-2

### 3. Hazards Identification

- **Human Health Hazards** : No specific hazards under normal use conditions.
- **Hazards Reactions** : None

### 4. First - Aid - Measures

- **General** : No important measures required.
- **First aid - inhalation** : Move to fresh air. Seek medical advice after significant exposure.
- **First aid - skin** : Remove soaked clothes and wash the skin with soap and water.
- **First aid - eye** : Rinse with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing.
- **First aid - ingestion** : No important measures required. Seek medical attention if necessary.

### 5. Fire Fighting Measures

- **Extinguishing media** : Foam, dry chemical powder, carbon dioxide, sand or earth.
- **Unsuitable extinguishing media** : water
- **Special exposure hazards** : None
- **Hazardous decomposition / combustion products** : None
- **Protective equipment** : In case of insufficient ventilation, wear suitable respiratory equipment. Depending on the dimensions of the fire wear full protection.
- **Other information** : Avoid contact with oxidising agents.

### 6. Accidental Release Measures

- **Personal precautions** : The usual precautions for handling chemicals should be observed.
- **Environmental precautions** : Prevent further leakage or spillage. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or appropriate barriers.
- **Clean - up methods** : Absorb or contain liquid with sand, earth or spill control material. Shovel into a suitable, clearly marked container for disposal.
- **Other information** : No dangerous substances will be released.

### 7. Handling and Storage

- **Handling** : The usual precautions for handling chemicals should be observed.
- **Storage** : Keep container tightly closed. Avoid direct sunlight, heat sources and strong oxidising agents. - Store at ambient temperatures.
- **Recommended** : steel, polyethylen
- **Fire and explosion prevent** : Avoid contact with oxidising agents. Avoid open fire.

### 8. Exposure Controls / Personal Protection

- **Engineering control measures** : The usual precautions for handling chemicals should be observed.
- **Occupational exposure standards** :

| Componet name           | Limit type | Value /Unit    | Other Informations |
|-------------------------|------------|----------------|--------------------|
| can be left out         |            |                |                    |
| Respiratory protection: |            | None           |                    |
| Hand protection:        |            | None           |                    |
| Eye - Protection:       |            | safety goggles |                    |
| Body Protectoin:        |            | None           |                    |

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### 9. Physical and Chemical Properties

Form: thick fluid  
Colour: brownish  
Odour: typical

Change of physical state:  
Melting - area:  
Boiling - point:

Flashpoint:  
Ignition - point:  
Smoke - point:

Explosive properties: unknown

Density at 20°  
refractive Index

Solubility in:  
Water: insoluble  
Petroleum spirit: soluble

### 10. Stability / Reactivity

Stability: No thermal destruction if it is used properly.  
Materials to avoid: Avoid contact with agents.  
Hazardous decomposition products: At temperatures > 300°C acrolein may be formed.  
Hazardous reactions: None

### 11. Toxicological Information

Acute toxicity: no toxicity  
**Toxicological Data:**  
Skin sensitisation: unknown  
Skin irritation: unknown  
Eye irritation: unknown  
**Additional toxicological information:** Not classified as hazardous conform EEC Dangerous Substance Directive and Dangerous. Preparation Directives.  
If the product is used properly it will not cause any injuries to health.

### 12. Ecological Information

Biotic degradation: biodegradable

### 13. Disposal Information

Product:  
Precautions: According to local regulations (most probably controlled incineration).  
Contaminated packaging: Clean with soap and water.  
Precautions: According to local regulations.  
Recommended detergent: Water and soap.

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**14. Transport Information**

Not dangerous for conveyance.

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**15. Regulatory Information**

EC Classification:

Not classified as dangerous under EC criteria.

**National Regulation:**

Wassergefährdungsklasse: (Germany)

nicht wassergefährdend im Sinne des §19g Abs. 5 WHG  
(Einstufung nach VwVwS vom 17.Mai 1999, Nummer 1.2 a) in Verbindung mit  
Angang 1)

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**16. Other Informations**

This information is based on our current knowledge and is intended to describe the product for purposes of health, safety and environmental requirements only. Therefore it should not be construed as guaranteeing any specific legal property of the product.



**Product:** Sunflower lecithin N, organic

**Chargen-Nr. /lot-no.:** LCGB 03/13

start/end date of analysis 13.08.2013 – 30.09.2013

**Origin: Product of Italy**  
**Raw material: Russia, Italy**  
**Production date: 15.04.2013**  
**bbd: 15.04.2015**

**Test result:**

| Parameter                             | unit                  | result | method       |
|---------------------------------------|-----------------------|--------|--------------|
| Humidity                              | %                     | 0,46   | Karl Fischer |
| Acid value                            | mg/KOH/g              | 22,78  | NGD Fa 3     |
| Acetone insolubility                  | %                     | 61,08  | NGD Fa 7     |
| Toluol insolubility                   | %                     | 0,23   | NGD Fa 6     |
| Peroxide value                        | meqO <sub>2</sub> /kg | n.d.   | NGD Fa 4     |
| Manufacturer certificate (13.08.2013) |                       |        |              |

| <b>Viscosity</b>           |           |     |                                       |
|----------------------------|-----------|-----|---------------------------------------|
| 25°C Shear rate 0,2        | P (Poise) | 128 | DIN 53019, Kegelplatte 40 mm; 4°;25°C |
| Laboratory: DIL Nr. 13/770 |           |     |                                       |

| <b>Allergens</b>                                     |   |                |                           |
|--|---|----------------|---------------------------|
| Soy protein  | % | not dedectable | PCR detection limit 0,01% |
| Laboratory: Institut Prof. Kurz GmbH Nr. L-5309/13-Z |   |                |                           |

| <b>Heavy metals</b>                                |       |       |                                       |
|--|-------|-------|---------------------------------------|
| Arsenic AS   | mg/kg | <0,04 | SOP M 1473, Mikrowelle o. Turbowave   |
| Cadmium Cd   | mg/kg | 0,03  | DIN EN 15763 mod., SOP M 1474, ICP/MS |
| Mercury Hg   | mg/kg | <0,01 | SOP M 2567, Feststoffanalysator       |
| Lead Pb  | mg/kg | 0,03  | DIN EN 15763 mod., SOP M 1474, ICP/MS |
| Laboratory: SGS Fresenius, Prüfbericht Nr. 1861150 |       |       |                                       |
|  |       |       |                                       |
|  |       |       |                                       |
|  |       |       |                                       |



| <b>Pesticides</b>                              |       |  |   |
|--|-------|--|---|
| Multiresidue pesticide screening               | mg/kg | not detectable,<br>detection limit 0,01<br>mg/kg | ASU L 00.0034-34, GC<br>Spektrum: Öl-Complete S |
| Laboratory: SGS Institut Fresenius Nr. 1861150 |       |  |   |

| <b>Microbiological Analyzes</b>                        |          |  |   |
|--|----------|--|---|
| Aerobe mesophil total plate count (2)                  | cfu/g    | 400  | DIN EN ISO 4833/<br>ASU L 00.00-88 / PCA<br>/ 30 °C/72h                 |
| Moulds (2)   | cfu/g    | 300  | ASU L 01.00-37 /<br>YCG/25 °C/72-120h                                   |
| Yeasts (2)   | cfu/g    | not detectable,<br>detection limit 10<br>cfu/g | ASU L 01.00-37 /<br>YCG/25 °C/72-120h                                   |
| Staphylococcus (Coag+) (1)                             | cfu/g    | not detectable,<br>detection limit 10<br>cfu/g | DIN EN ISO 6888-2<br>ASU L 00.00-<br>56/RPF/37°C/45h                    |
| Coliforms (1)  | in 0,1 g | negative                                       | ISO 4831/Laurylsulfat-<br>Boullon/31°C/24h/Brila-<br>Boullion/37 °C/48h |
| Salmonella (1)   | in 25g   | negative                                       | DIN EN ISO 6579 mod.<br>/ ASU L 00.00-20 mod.                           |
| E.Coli (1)   | cfu/g    | not detectable,<br>detection limit 10<br>cfu/g | DIN ISO 16649-2/ASU<br>L 00.00-132/2/TBX/ 44<br>°C/21h                  |
| Enterokokken (1)                                       | cfu/g    | not detectable,<br>detection limit 10<br>cfu/g | ASU L 06.00-32/CATC<br>/ 31°C/48h                                       |
| (1) Laboratory: SGS Fresenius, Prüfbericht Nr. 1861151 |          |  |   |
| (2) Laboratory: SGS Fresenius, Prüfbericht Nr. 1881983 |          |  |   |

|  |  |     |  |
|--|--|-----|--|
| <b>Color Gardner</b>                               |  | 8,7 | Beiersdorf General Test<br>Method AP005-01 |
| Laboratory: SGS Fresenius, Prüfbericht Nr. 1861150 |  |     |  |

| <b>GMO</b>                                     |  |          |                            |
|--|--|----------|----------------------------|
| T-NOS  |  | negative | Real-time PCR<br>Screening |
| P-35S  |  | negative | Real-time PCR<br>Screening |
| FMV  |  | negative | Real-time PCR<br>Screening |
| Laboratory: SGS Institut Fresenius Nr. 1861150 |  |          |                            |

Certificate of analysis does not release customers from their quality responsibility when processing our products.  
 AOT / Quality Assurance, Established by Computer, therefore no signature.

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