

**Safety Data Sheet**  
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Revision: 30.03.2015

Printing date 30.03.2015

**SECTION 1: Identification of the substance/mixture and of the company/  
undertaking**

- **1.1 Product identifier**
  - **Trade name:** Certifat-S
  - **Article number:** No other identifiers
  - **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
  - **Application of the substance / the mixture** Food additive
  - **Uses advised against** Not specified
  - **1.3 Details of the supplier of the Safety Data Sheet**
- Manufacturer/Supplier:**  
Origo  
1220 S Valley St  
New Ulm, MN 56073  
+(507) 233-8592 info@origofat.com
- **1.4 Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924, +1 (813)248-0585

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified as hazardous according to OSHA GHS regulations within the United States.  
The product is not classified as hazardous according to GHS regulations.  
The product is not classified as hazardous according to the CLP regulation.
- 
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
  - **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
  - **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.  
The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.
  - **Additional information:**  
There are no other hazards not otherwise classified that have been identified.  
0 percent of the mixture consists of component(s) of unknown toxicity
- 
- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**  
This product does not have a classification according to the CLP regulation.  
The product is not classified as hazardous according to OSHA GHS regulations within the United States.
  - **Hazard pictograms** Not Regulated

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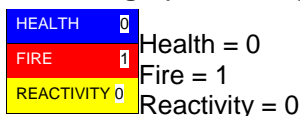
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Trade name: **Certifat-S**

- **Signal word** Not Regulated
- **Hazard-determining components of labelling:** None.
- **Hazard statements** Not Regulated
- **Precautionary statements** Not Regulated
- **Hazard description:**
- **WHMIS-symbols:** Not hazardous under WHMIS.
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **HMIS Long Term Health Hazard Substances**

None of the ingredients are listed.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Contains no hazardous substances.
- **Dangerous components:** None in reportable quantities.
- **Additional information:**  
For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.  
For the wording of the listed risk phrases refer to section 16.

## SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:**  
Unlikely route of exposure.  
Take affected persons into fresh air and keep quiet.
- **After skin contact:**  
Brush off loose particles from skin.  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation is experienced, consult a doctor.

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Trade name: **Certifat-S****After eye contact:**

Protect unharmed eye.  
Rinse opened eye for several minutes under running water.  
Remove contact lenses if worn.

- **After swallowing:** Rinse out mouth and then drink plenty of water. · **4.2**

**Most important symptoms and effects, both acute and delayed**

May cause gastro-intestinal irritation if ingested.

- **Hazards** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
  - Water haze or fog
  - Foam
  - Carbon dioxide
  - Fire-extinguishing powder
  - Gaseous extinguishing agents
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
  - Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters · Protective equipment:**
  - Wear self-contained respiratory protective device.
  - Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water fog or haze.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**
  - Ensure adequate ventilation
- **6.2 Environmental precautions:** Avoid release to the environment.
- **6.3 Methods and material for containment and cleaning up:**
  - Pick up mechanically.
  - Send for recovery or disposal in suitable receptacles.
  - Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

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## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Use only in well ventilated areas.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in cool, dry place.  
Provide ventilation for receptacles.
- **Information about storage in one common storage facility:**  
Do not store together with acids.  
Do not store together with alkalis (caustic solutions).  
Protect from humidity and water.  
Store away from oxidising agents.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **DNELs** No further relevant information available.
- **PNECs** No further relevant information available.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** No special measures required.
- **Respiratory protection:** Not required under normal conditions of use.
- **Protection of hands:** Not required under normal conditions of use.
- **Eye protection:**



Safety glasses

- **Body protection:** Not required under normal conditions of use.
- **Limitation and supervision of exposure into the environment** Avoid release to the environment.
- **Risk management measures** No special requirements.

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## Section 9: Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

#### · General Information · Appearance:

- |   |   |
|---|---|
| · <b>Form:</b>                                    | Solid   |
| · <b>Colour:</b>                                  | Off-white.                                    |
| · <b>Odour:</b>                                   | Mild  |
| · <b>Odour threshold:</b>                         | Not determined.                               |
| · <b>pH-value:</b>                                | Not applicable.                               |
| · <b>Change in condition</b>                      |   |
| · <b>Melting point/Melting range:</b>             | Not Determined. <b>Boiling</b>                |
| · <b>point/Boiling range:</b>                     | Undetermined.                                 |
| · <b>Flash point:</b>                             | Not applicable.                               |
| · <b>Flammability (solid, gaseous):</b>           | Not determined.                               |
| · <b>Auto/Self-ignition temperature:</b>          | Not determined.                               |
| · <b>Decomposition temperature:</b>               | Not determined.                               |
| · <b>Self-igniting:</b>                           | Product is not self-igniting.                 |
| · <b>Danger of explosion:</b>                     | Product does not present an explosion hazard. |
| · <b>Explosion limits:</b>                        |   |
| · <b>Lower:</b>                                   | Not determined.                               |
| · <b>Upper:</b>                                   | Not determined.                               |
| · <b>Vapour pressure:</b>                         | Not applicable.                               |
| · <b>Density at 20 °C (68 °F):</b>                | 0,9 g/cm <sup>3</sup> (7,511 lbs/gal) ·       |
| · <b>Relative density</b>                         | Not determined.                               |
| · <b>Vapour density</b>                           | Not applicable. · <b>Evaporation rate</b>     |
|   | Not applicable.                               |
| · <b>Solubility in / Miscibility with water:</b>  |   |
| Insoluble.  |   |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                               |
| · <b>Viscosity:</b>                               |   |
| · <b>Dynamic:</b>                                 | Not applicable. <b>Kinematic:</b>             |
|   | Not applicable.                               |
| · <b>9.2 Other information</b>                    | No further relevant information available.    |

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## SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Reacts with acids.  
Reacts with alkali (lyes).  
Causes condensation with alkali.  
Reacts with oxidising agents.
- **10.4 Conditions to avoid** Avoid acids.
- **10.5 Incompatible materials:** Oxidizers, strong bases, strong acids
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values relevant for classification:** None.
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitisation:** No sensitising effects known.
- **Subacute to chronic toxicity:** No further relevant information available.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
- **Repeated dose toxicity:** No further relevant information available.

## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 7)

· **vPvB:** Not applicable.

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- **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Smaller quantities can be disposed of with household waste.  
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

- **14.1 UN-Number**
- **DOT, ADR, ADN, IMDG, IATA** Not Regulated
- **14.2 UN proper shipping name**
- **DOT, ADR, ADN, IMDG, IATA** Not Regulated
- **14.3 Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class** Not Regulated
- **14.4 Packing group**
- **DOT, ADR, IMDG, IATA** Not Regulated
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

## SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

- **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

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<b>· TSCA (Toxic Substances Control Act):</b>
All ingredients are listed.
<b>· Proposition 65 (California):</b>
<b>Chemical known to cause cancer:</b>
None of the ingredients is listed.
<b>· Chemicals known to cause reproductive toxicity for females:</b>
None of the ingredients are listed.
<b>· Chemicals known to cause reproductive toxicity for males:</b>
None of the ingredients are listed.
<b>· Chemicals known to cause developmental toxicity:</b>
None of the ingredients are listed.
<b>· Carcinogenic Categories</b>
<b>· EPA (Environmental Protection Agency)</b>
None of the ingredients are listed.
<b>· IARC (International Agency for Research on Cancer)</b>
None of the ingredients are listed.
<b>· TLV (Threshold Limit Value established by ACGIH)</b>
None of the ingredients are listed.
<b>· NIOSH-Ca (National Institute for Occupational Safety and Health)</b>
None of the ingredients are listed.
<b>· Canada</b>
<b>· Canadian Domestic Substances List (DSL)</b>
All ingredients are listed.
<b>· Canadian Ingredient Disclosure list (limit 0.1%)</b>
None of the ingredients are listed.
<b>· Canadian Ingredient Disclosure list (limit 1%)</b>
57-11-4   stearic acid, pure
<b>· Other regulations, limitations and prohibitive regulations</b>
This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
<b>· Substances of very high concern (SVHC) according to REACH, Article 57</b>
None of the ingredients are listed.
<b>· 15.2 Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.



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**Trade name: Certifat-S****SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
WHMIS: Workplace Hazardous Materials Information System (Canada)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

**Sources SDS Prepared**

by:

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