

## Material Safety Data Sheet

### 1. Identification

**Product identifier:** Conjugated Linoleic Acid Glyclride Powder  
Code: CLATG40 Powder B



### Manufacturer/Importer/Supplier/Distributor information

**Company name** Ingredients4u PTE. LTD.  
**Telephone** +86-21-31358882  
**FAX** +86-21-31358998

### 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Not classified.	
<b>Environmental hazards OSHA defined hazards</b>	Combustible dust	Classified
<b>Label 3 elements</b>	None.	
<b>Hazard symbol</b>	Warning	
<b>Signal word</b>	May form combustible dust concentrations in air.	
<b>Hazard statement</b>	Keep container tightly closed. Keep away from heat/sparks/open flames/hot surfaces.	
<b>Prevention</b>	No smoking. Ground/bond container and receiving equipment. Prevent dust accumulation to minimize explosion hazard. Wash hands after handling. Store away from incompatible materials.	
<b>Response Storage</b>	Dispose of waste and residues in accordance with local authority requirements.	
<b>Disposal</b>	None known.	

### Hazard(s) not otherwise classified (HNOC) Supplemental information

Not applicable.

### 3. Composition/information on ingredients Mixture

Chemical name	CAS#	%
Conjugated linoleic acid glyclride	2420-56-6	47.0-53.0
Glucose syrup	492-62-6	20.0-35.0
Sodium caseinate	9005-46-3	5.0-15.0
Potassium dihydrogen phosphate	7778-77-0	0.02-2.0
Silicon dioxide	112926-00-8	0.2-2.0

### 4. First-aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** Wash off with soap and water. Get medical attention if irritation develops and persists.

**Eye contact** Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.

**Most important symptoms/effects, acute and delayed** Dusts may irritate the respiratory tract, skin and eye

**Indication of immediate medical attention and special treatment needed**

Provide general supportive measures and treat symptomatically.

**General information**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**5. Fire-fighting measures**

**Suitable extinguishing media**

Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).  
Apply extinguishing media carefully to avoid creating airborne dust.  
None known.

**Unsuitable extinguishing media**

Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed.

**Specific hazards arising from the chemical**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Special protective equipment and precautions for firefighters**

In case of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray. Move containers from fire area if you can do so without risk.

**Fire-fighting equipment/instructions**

**Specific methods**

Cool containers exposed to flames with water until well after the fire is out.

**General fire hazards**

May form combustible dust concentrations in air.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dust formation. Use only non-sparking tools. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.

**Methods and materials for containment and cleaning up**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Avoid the generation of dusts during clean-up. Use only non-sparking tools.

Large Spills: Stop the flow of material, if this is without risk. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Large Spills: Wet down with water and dike for later disposal. Following product recovery, flush area with water. For waste disposal, see section 13 of the MSDS.

**Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

**7. Handling and storage**

**Precautions for safe handling**

Eliminate all sources of ignition. Minimize dust generation and accumulation. Combustible dust clouds may be created where operations produce fine material (dust). Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA-654). Provide adequate ventilation. Wear appropriate personal protective equipment.

Observe good industrial hygiene practices.

**Conditions for safe storage,**

Keep away from heat, sparks and open flame. Dry powders can build static electricity

**including any:** charges when subjected to the friction of transfer and mixing operations. Provide

**Incompatibilities:** adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Store in original tightly closed container. Store away from incompatible materials (see

Section 10 of the MSDS). Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Stored in cool, dry and ventilated place. The product is

sensitive to air, heat, light and humidity, should be kept away from light, heat, strong odors and dust.

## 8. Exposure controls/personal protection

**Occupational exposure limits** No exposure limits noted for ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

## Individual protection measures, such as personal protective equipment

**Eye/face protection** Use tight fitting goggles if dust is generated.

**Hand protection** For prolonged or repeated skin contact use suitable protective gloves.

**Skin protection**

**Other** Wear suitable protective clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

**Appearance** White or off-white

**Odor** no smell of rancidity, moldiness, decay or mildew etc

**pH** 6.5-7.5 ( 5-10% Dissolved in water )

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point** >200 °C

**Evaporation rate** Not available.

**Flammability (solid,gas)** Not available.

**Upper/lower flammability or explosive limits**  
**Flammability limit - lower(%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** < 0.100000 mbar at 250°C

**Vapor density** Not available.

**Relative density** Not available.

**Solubility(ies)**

**Solubility (water)** Dispersible in cold water

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** Not available.

## 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid:** Keep away from heat, sparks and open flame. Contact with incompatible materials. Minimizedust generation and accumulation

**Incompatible materials:** Strong oxidizing agents

## Hazardous decomposition products

### 11. Toxicological information

#### Information on likely routes of exposure

**Ingestion** Expected to be a low ingestion hazard.

**Inhalation** No adverse effects due to inhalation are expected.

**Skin contact** No adverse effects due to skin contact are expected.

**Eye contact** Direct contact with eyes may cause temporary irritation.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

#### Respiratory or skin sensitization

**Respiratory sensitization** Based on available data, the classification criteria are not met.

**Skin sensitization** This product is not expected to cause skin sensitization.

### 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and degradability** Readily biodegradable.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal instructions** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products**

Dispose of in accordance with local regulations.

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**14. Transport information**

It can only be transported with food and is not allowed to come into contact with chemicals, dust and volatiles. Water, land and air transport, unlimited.

**15. Regulatory information**

Users of this product must comply with local laws and regulations.

**16. Other information**

**Issue date**

25-11-2019

**Revision date**

25-11-2019

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