This safety data sheet complies with the requirements of:

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Code: OLLC
Product Name: OLIWAX® LC
Synonyms: Cetyl Palmitate, Sorbitan Palmitate, Sorbitan Olivate

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use: Cosmetics

1.3. Details of the supplier of the safety data sheet

Manufacturer:
Hallstar Italia srl Via Ernesto Rossi, 60/62
20862 Arcore (MB) Italy Tel. +39 039 6180447

For further information, please contact

1.4. Emergency telephone number

Emergency Telephone: Chemtrec 1-800-424-9300
Europe: +1 (703) 527 3887

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label elements

Product identifier
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.3. Other hazards
No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC No.</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Classification according to Regulation (EC) No. 1272/2008</th>
<th>REACH Registration No.</th>
</tr>
</thead>
</table>

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Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation
Remove to fresh air. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. (Get medical attention immediately if symptoms occur.).

Skin contact
Wash off immediately with soap and plenty of water.

Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Ingestion
Clean mouth with water and drink afterwards plenty of water.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms
No information available.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media
Dry chemical, CO2 or water spray.

Unsuitable extinguishing media
Do not use a solid water stream as it may scatter and spread fire

5.2. Special hazards arising from the substance or mixture

No information available

5.3. Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Ensure adequate ventilation, especially in confined areas.

For emergency responders
Use personal protection recommended in Section 8.

6.2. Environmental precautions

Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up
Methods for containment
Steps to be Taken in Case Material is Released or Spilled: Dike and contain the spill with inert material (ie: sand, earth, sawdust) and transfer liquid and solid diking material to separate containers for recovery or disposal. Wash floor area with hot water solution. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Keep spills out of all sewers and bodies of water.

Methods for cleaning up
After cleaning, flush away traces with water.

6.4. Reference to other sections
See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Advice on safe handling
Ensure adequate ventilation, especially in confined areas. Avoid breathing vapors or mists. When using do not eat, drink or smoke.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities
Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Keep away from heat. Protect from direct sunlight.

Incompatible materials
None.

7.3. Specific end use(s)
Risk Management Methods (RMM)
The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Exposure Limits
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)
No information available.

Predicted No Effect Concentration (PNEC)
No information available.

8.2. Exposure controls
Engineering Controls
Ensure adequate ventilation, especially in confined areas.

Personal protective equipment
Eye/face protection
Wear safety glasses with side shields (or goggles).

Hand Protection
Not applicable.

Skin and body protection
Suitable protective clothing.

Environmental exposure controls
No information available.
### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Remarks - Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
<td>No information available</td>
</tr>
<tr>
<td>Appearance</td>
<td>waxy solid in flakes, ivory color</td>
<td>No information available</td>
</tr>
<tr>
<td>Color</td>
<td>White-Ivory</td>
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</tr>
<tr>
<td>Odor</td>
<td>slight characteristic odor</td>
<td>No information available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td>No information available</td>
</tr>
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</table>

#### Property Values

<table>
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<tr>
<th>Property</th>
<th>Value</th>
<th>Remarks - Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
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<td>No information available</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>50-60 °C</td>
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</tr>
<tr>
<td>Boiling point / boiling range</td>
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<td>No information available</td>
</tr>
<tr>
<td>Flash point</td>
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<tr>
<td>Evaporation rate</td>
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<td>No information available</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
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</tr>
<tr>
<td>Upper flammability limit:</td>
<td></td>
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</tr>
<tr>
<td>Lower flammability limit:</td>
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<td>No information available</td>
</tr>
<tr>
<td>Vapor pressure</td>
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<td>No information available</td>
</tr>
<tr>
<td>Vapor density</td>
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</tr>
<tr>
<td>Relative density</td>
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<tr>
<td>Water solubility</td>
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<tr>
<td>Solubility(ies)</td>
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</tr>
<tr>
<td>Partition coefficient</td>
<td></td>
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</table>

#### 9.2. Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Remarks - Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC Content (%)</td>
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<td>No information available</td>
</tr>
<tr>
<td>Density</td>
<td>No information available</td>
<td>Bulk density</td>
</tr>
<tr>
<td>Volatility</td>
<td>No information available</td>
<td>No information available</td>
</tr>
</tbody>
</table>

### Section 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

Not applicable No data available.

#### 10.2. Chemical stability

Stable under normal conditions.

- Explosion data
  - Sensitivity to Mechanical Impact: None.
  - Sensitivity to Static Discharge: None.

#### 10.3. Possibility of hazardous reactions

**Hazardous polymerization**

None under normal processing.

**Possibility of Hazardous Reactions**

None under normal processing.

#### 10.4. Conditions to avoid

None known.

#### 10.5. Incompatible materials

None.

#### 10.6. Hazardous decomposition products

None under normal use conditions.
Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product Information
Product does not present an acute toxicity hazard based on known or supplied information.

- Inhalation: No data available.
- Eye contact: No data available.
- Skin contact: No data available.
- Ingestion: No data available.

The following values are calculated based on chapter 3.1 of the GHS document

Unknown acute toxicity

- Skin corrosion/irritation: No information available.
- Serious eye damage/eye irritation: No information available.
- Sensitization: No information available.
- Germ cell mutagenicity: No information available.
- Carcinogenicity: No information available.
- Reproductive toxicity: No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.2. Persistence and degradability
readily biodegradable according to OECD 301-B method.

12.3. Bioaccumulative potential
No information available.

12.4. Mobility in soil
Mobility in soil
No information available.

12.5. Results of PBT and vPvB assessment
No information available.

12.6. Other adverse effects
No information available.
Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging
Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

IMDG
14.1 UN/ID No. Not regulated
14.2 Proper shipping name Not regulated
14.3 Hazard Class Not regulated
14.4 Packing Group Not regulated
14.5 Marine pollutant Not applicable
14.6 Special Provisions None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

RID
14.1 UN/ID No. Not regulated
14.2 Proper shipping name Not regulated
14.3 Hazard Class Not regulated
14.4 Packing Group Not regulated
14.5 Environmental hazard Not applicable
14.6 Special Provisions None

ADR
14.1 UN/ID No. Not regulated
14.2 Proper shipping name Not regulated
14.3 Hazard Class Not regulated
14.4 Packing Group Not regulated
14.5 Environmental hazard Not applicable
14.6 Special Provisions None

IATA
14.1 UN/ID No. Not regulated
14.2 Proper shipping name Not regulated
14.3 Hazard Class Not regulated
14.4 Packing Group Not regulated
14.5 Environmental hazard Not applicable
14.6 Special Provisions None

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
Authorizations and/or restrictions on use:
This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009  Not applicable

International Inventories
TSCA  Complies
DSL/NDSL
EINECS/ELINCS  Complies
ENCS
IECS
KECL
PICCS
AICS

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECS - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment
No information available

16. OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend
SVHC: Substances of Very High Concern for Authorization:

Legend  Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
TWA  TWA (time-weighted average)  STEL  STEL (Short Term Exposure Limit)
Ceiling  Maximum limit value  *  Skin designation

Issue Date  22-Sep-2015
Revision Date  01-May-2015
Revision Note  Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet