SECTION 1. IDENTIFICATION

Identification of the company: Clariant Corporation
4000 Monroe Road
Charlotte, NC, 28205
Telephone No.: +1 704 331 7000

Information of the substance/preparation:
Product Stewardship, +1-704-331-7710

Emergency tel. number: +1 800-424-9300 CHEMTREC

Trade name: Plantasens Olive LD
Material number: 272523
Chemical family: Vegetable oil

Primary product use: Personal care
Chemical family: Mixture of Hydrogenated Ethylhexyl Olivate and Hydrogenated Olive Oil unsaponifiables

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200
Not a hazardous substance or mixture.

GHS label elements
Not a hazardous substance or mixture.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Chemical nature : Vegetable oil
Substance name : Mixture of Hydrogenated Ethylhexyl Olivate and Hydrogenated Olive Oil unsaponifiables

Hazardous components
This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). None under Title III of SARA

SECTION 4. FIRST AID MEASURES

General advice : Remove/Take off immediately all contaminated clothing. Get medical advice/ attention if you feel unwell.
If inhaled: Move the victim to fresh air. Give oxygen or artificial respiration if needed. Get immediate medical advice/attention. Never give anything by mouth to an unconscious person.

In case of skin contact: Wash area with mild soap and copious amounts of water. If skin irritation occurs: Get medical advice/attention.

In case of eye contact: Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

If swallowed: Do NOT induce vomiting. Risk of serious damage to the lungs (by aspiration). If a person vomits when lying on his back, place him in the recovery position. Call a physician immediately.

Most important symptoms and effects, both acute and delayed: The possible symptoms known are those derived from the labelling (see section 2). No additional symptoms are known.

Notes to physician: Aspiration of this product during emesis can result in lung injury. If evacuation of stomach contents is considered necessary, use method least likely to cause aspiration, such as gastric lavage after endotracheal intubation.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Foam
Dry powder
Sand
Carbon dioxide (CO2)

Unsuitable extinguishing media: High volume water jet

Specific hazards during firefighting: In case of fire hazardous decomposition products may be produced such as:
Carbon oxides
None known.

Further information: Wear full protective clothing and self-contained breathing apparatus.

Special protective equipment for firefighters: Self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES
PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

- Wear personal protective equipment. Unprotected persons must be kept away.
- Ensure adequate ventilation.
- Soak up with inert absorbent material.
- Clean up promptly by scoop or vacuum.
- Do not discharge into surface waters/groundwater.
- Contaminated surfaces will be extremely slippery.
- This material contains an oil as defined by the Clean Water Act. Per 40 CFR 110, a discharge of this material to a surface water may be reportable to the National Response Center (1-800-424-8802).
- The product should not be allowed to enter drains, water courses or the soil.
- Pump up larger quantities.
- Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
- Treat recovered material as described in the section "Disposal considerations".

SECTION 7. HANDLING AND STORAGE

ADVICE ON PROTECTION AGAINST FIRE AND EXPLOSION:

- Observe the general rules of industrial fire protection.

ADVICE ON SAFE HANDLING:

- Use only with adequate ventilation and proper protective eyewear, gloves, and clothing.
- Keep away from heat and flame.

TECHNICAL MEASURES/PRECAUTIONS:

- Store in original container.
- Store in a cool, dry, well-ventilated area.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION:

- Respiratory protection is not required under normal use. Use NIOSH/MSHA approved respirators following manufacturer's recommendations where dust, mist, or spray mist may be generated.

HAND PROTECTION

- Remarks: Butyl rubber or nitrile.

EYE PROTECTION

- Safety glasses

SKIN AND BODY PROTECTION

- Wear suitable protective equipment.

PROTECTIVE MEASURES

- Do not breathe vapours, aerosols.
Do not breathe mist.
Avoid contact with skin and eyes.

Hygiene measures:
- Wash hands before breaks and at the end of workday.
- Use protective skin cream before handling the product.
- Take off immediately all contaminated clothing and wash it before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid, oily</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless to slightly yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
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<tr>
<td>Odour Threshold</td>
<td>Not tested</td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling point</td>
<td>&gt; 150 °C (1 hPa)</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 200 °C</td>
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<tr>
<td>Evaporation rate</td>
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<tr>
<td>Flammability (solid, gas)</td>
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</tr>
<tr>
<td>Self-ignition</td>
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<tr>
<td>Burning number</td>
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</tr>
<tr>
<td>Upper explosion limit</td>
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</tr>
<tr>
<td>Lower explosion limit</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not tested</td>
</tr>
<tr>
<td>Relative vapour density</td>
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</tr>
<tr>
<td>Density</td>
<td>0.845 - 0.865 g/cm³</td>
</tr>
<tr>
<td>Bulk density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility (in other solvents)</td>
<td>Description: soluble in oils, Soluble in non-polar solvents</td>
</tr>
</tbody>
</table>
SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.
Stable
Conditions to avoid : Keep away from oxidizing agents.
Incompatible materials : not known
Hazardous decomposition products : When handled and stored appropriately, no dangerous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:
Acute oral toxicity : Remarks: not tested.
Acute inhalation toxicity : Remarks: not tested.
Acute dermal toxicity : Remarks: not tested.

Skin corrosion/irritation

Product:
Remarks: not tested.
Serious eye damage/eye irritation

**Product:**
Remarks: not tested.

Respiratory or skin sensitisation

**Product:**
Remarks: not tested.

Germ cell mutagenicity

**Product:**
Germ cell mutagenicity - Assessment: No information available.

Carcinogenicity

**Product:**
Carcinogenicity - Assessment: No information available.

IARC Not listed
OSHA Not listed
NTP Not listed

Reproductive toxicity

**Product:**
Reproductive toxicity - Assessment: No information available.

No information available.

STOT - single exposure

**Product:**
Remarks: not tested.

STOT - repeated exposure

**Product:**
Remarks: not tested.

Repeated dose toxicity

**Product:**
Remarks: not tested.
Experience with human exposure

**Product:**
General Information : The possible symptoms known are those derived from the labelling (see section 2).

Further information

**Product:**
Remarks: no data available

### SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Product:**
Toxicity to fish : Remarks: not tested.

Toxicity to daphnia and other aquatic invertebrates : Remarks: not tested.

Toxicity to algae : Remarks: not tested.

Toxicity to microorganisms : Remarks: not tested.

**Persistence and degradability**

**Product:**
Biodegradability : Result: Readily biodegradable. Remarks: By analogy with a product of similar composition

**Bioaccumulative potential**

**Product:**
Bioaccumulation : Remarks: not tested.

**Mobility in soil**

**Product:**
Distribution among environmental compartments : Remarks: not tested.

**Other adverse effects**

**Product:**
Environmental fate and pathways : Remarks: no data available
SAFETY DATA SHEET

Plantasens Olive LD

Substance key: 0000000511889
Version : 2 - 2 / USA

Additional ecological information : no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues: Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.
Contaminated packaging: Packaging that cannot be cleaned should be disposed of as product waste

SECTION 14. TRANSPORT INFORMATION

DOT not restricted
IATA not restricted
IMDG not restricted

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act
CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.
SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.
SARA 311/312 Hazards: No SARA Hazards
SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

Clean Water Act
This product is an oil in the context of the USA Clean Water Act (CWA). Spills to USA surface waters, or to watercourse or sewer waters that cause a visible sheen must be reported to the National Response Center.
The components of this product are reported in the following inventories:
TSCA: All components of this product are listed on the TSCA Inventory. However, the primary use of this product is NOT subject to TSCA but rather to FDA and must comply with the FDA regulations.
SECTION 16. OTHER INFORMATION

Full text of other abbreviations
AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RD - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information
Observe national and local legal requirements
Material can create slippery conditions.

Revision Date : 09/12/2017

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