

## LIOCENE PP 7502 GR

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Revision Date: 06/28/2016

Version : 1 - 7 / USA

Date of printing :01/07/2019

## SECTION 1. IDENTIFICATION

<b>Identification of the company:</b>	Clariant Plastics & Coating USA Inc. 4000 Monroe Road Charlotte, NC, 28205 Telephone No.: +1 704 331 7000
<b>Information of the substance/preparation:</b>	Product Stewardship, +1-704-331-7710
<b>Emergency tel. number:</b>	+1 800-424-9300 CHEMTREC

**Trade name:** LIOCENE PP 7502 GR**Material number:** 219489**Primary product use:** Additive**Chemical family:** Polypropylene wax

## SECTION 2. HAZARDS IDENTIFICATION

**GHS Classification**

Combustible dust

**GHS label elements**

Signal word : Warning

Hazard statements : May form combustible dust concentrations in air.

Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P243 Take precautionary measures against static discharge.  
P233 Keep container tightly closed.

**Other hazards**

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Substance name : Polypropylene wax

**Hazardous components**

Chemical name	CAS-No.	Concentration (% w/w)
1-Propene, homopolymer	9003-07-0	100

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This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**SECTION 4. FIRST AID MEASURES**

- General advice : 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 with soap and water. Contact physician if irritation or other symptoms occur. If hot wax strikes skin, drench or immerse the area in water to assist cooling. Do not remove wax from a burn after it cools. Consult a physician.
- In case of eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
- If swallowed : If conscious, give the victim plenty of water to drink.  
Consult a physician.  
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : No symptoms known currently.  
No hazards known at this time.
- Notes to physician : Treat symptomatically.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Water mist  
Foam  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Emits toxic fumes under fire conditions. This product presents no unusual fire or explosion hazards while sealed in a shipping container. During usage, if a dust cloud is generated, organic powders have the potential to be explosive with static spark or flame initiation.
- Further information : Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and full protective clothing.
- Special protective equipment : Wear personal protective equipment.

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for firefighters

In the event of fire, wear self-contained breathing apparatus.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.  
Wearing appropriate personal protective equipment, contain spill, collect onto inert absorbent, and place in a suitable container.  
Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.
- Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.
- Methods and materials for containment and cleaning up : Take up mechanically

**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge.  
Observe the general rules of industrial fire protection
- Advice on safe handling : Avoid dust formation. Keep away from sources of ignition.  
Lead off electrostatic charges.  
Avoid inhalation, ingestion and contact with skin and eyes.  
Wash thoroughly after handling.
- Technical measures/Precautions : Store in original container.  
Keep container tightly closed.  
Store in a cool, dry, well-ventilated area.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

- Engineering measures** : Use adequate exhaust ventilation and/or dust collection to keep dust levels below exposure limits.

**Personal protective equipment**

- Respiratory protection : Use NIOSH/MSHA approved respirators following manufacturer's recommendations where dust or fume may be generated.
- Hand protection  
Remarks : Butyl Rubber, PVC Or Neoprene.
- Eye protection : Safety glasses or chemical splash goggles.

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- Skin and body protection : Wear suitable protective equipment.
- Protective measures : When working with hot material, avoid contact with skin.
- Hygiene measures : Wash hands before breaks and at the end of workday.  
When using do not eat, drink or smoke.  
Use protective skin cream before handling the product.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : Granules
- Colour : white
- Odour : not specified
- Odour Threshold : not tested.
- pH : Not applicable practically insoluble
- Softening point : approx. 163 °C  
Method: ASTM D 3104
- Melting point : approx. 162 °C  
Method: DSC
- Boiling point : Decomposition: Decomposes below the boiling point.  
Method: DSC
- Evaporation rate : not determined
- Flammability (solid, gas) : not determined
- Upper explosion limit : not determined
- Lower explosion limit : not determined
- Combustion number : BZ2 Short flaring up without spreading
- Vapour pressure : < 0.1 mbar (20 °C)
- Relative vapour density : not determined
- Density : approx. 0.90 g/cm<sup>3</sup> (23 °C)  
Method: ISO 1183
- Solubility(ies)
- Water solubility : insoluble (20 °C)
- Solubility in other solvents : not tested.
- Partition coefficient: n- : Not applicable

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octanol/water

Auto-ignition temperature : Not applicable

Decomposition temperature : No decomposition if used as directed.

Viscosity

Viscosity, dynamic : approx. 1,800 mPa.s (170 °C)  
Method: DIN 53019Explosive properties : Not explosive  
Method: Expert judgement  
GLP: noOxidizing properties : The substance or mixture is not classified as oxidizing.  
Method: Expert judgement  
GLP: no  
The product does not contain organic peroxide-groups which result from either the manufacturing process or from added ingredients.

Surface tension : Not applicable

Minimum ignition energy : not tested.

Particle size : not tested.

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable

Possibility of hazardous reactions : The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.

Conditions to avoid : Avoid dust formation.

Incompatible materials : no data available

Hazardous decomposition products : No hazardous decomposition products if stored and handled as prescribed

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Eye contact

Skin contact

Inhalation

**Acute toxicity****Product:**

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Acute oral toxicity : LD50 (Rat): &gt; 2,000 mg/kg

Acute inhalation toxicity : Remarks: not tested.

Acute dermal toxicity : Remarks: not tested.

**Skin corrosion/irritation****Product:**

Result: No skin irritation

**Serious eye damage/eye irritation****Product:**

Result: No eye irritation

**Respiratory or skin sensitisation****Product:**

Result: non-sensitizing

**Germ cell mutagenicity****Product:**

Genotoxicity in vitro : Remarks: not tested.

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.**Repeated dose toxicity****Product:**

Remarks: not tested.

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**Further information****Product:**

Remarks: The product has not been tested. The statements are derived from products of a similar composition.

**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 bacteria : Remarks: not tested.

**Persistence and degradability****Product:**

Biodegradability : Remarks: not tested.

**Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: not available

**Mobility in soil**

no data available

**Other adverse effects****Product:**

Environmental fate and :  
pathways : Remarks: no data available

Additional ecological :  
information : Product is insoluble in water  
Harmful effects to fish and bacteria: not harmful  
May be separated mechanically in waste water plants.  
The ecotoxicity of the product has not been tested. The  
information given is based on products of similar structure or  
composition.

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

- RCRA - Resource Conservation and Recovery Act  
Waste from residues : No -- Not as sold.  
Can be landfilled or incinerated, when in compliance with local regulations.
- 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** : Fire Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

**Clean Water Act**

Contains no known priority pollutants at concentrations greater than 0.1%.

**The components of this product are reported in the following inventories:**

TSCA On TSCA Inventory

**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,



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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; RQ - 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

Handle with care. Organic dusts have the potential to be explosive with static spark or flame initiation.

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# SAFETY DATA SHEET



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information before handling any of these products. For additional information, please contact Clariant.

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