

## LIOCENE PP 6502 FINE GRAIN

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Revision Date: 04/26/2019

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## SECTION 1. IDENTIFICATION

<b>Identification of the company:</b>	Clariant Corporation 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 6502 FINE GRAIN**Material number:** 225219**CAS number:** 9003-07-0**Primary product use:** Additive**Chemical family:** polypropylene wax

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with 29 CFR 1910.1200**

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**

Dust can form an explosive mixture in air.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Substance name : polypropylene wax

CAS-No. : 9003-07-0

**Components**

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

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 : The possible symptoms known are those derived from the labelling (see section 2).  
No additional symptoms are known.
- 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 : None known.

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

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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 for firefighters : Wear personal protective equipment. In the event of fire, wear self-contained breathing apparatus.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment. Collect into suitable container. Electrical grounding of equipment is required when handling powder to prevent possible dust explosion. 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

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**SECTION 7. HANDLING AND STORAGE**

Advice on protection against fire and explosion : Dust may form explosive mixture in air.

Electrical equipment should be protected to the appropriate standard.

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.

Further information on storage conditions : Store in original container. Keep container tightly closed. Store in a cool, dry, well-ventilated area.

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

Contains no substances with occupational exposure limit values.

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**Engineering measures** : Local ventilation recommended - mechanical ventilation may be used.

**Personal protective equipment**

Respiratory protection : Use NIOSH/MSHA approved respirators following manufacturer's recommendations where dust or fume may be generated.

Hand protection

Remarks : Nitrile rubber gloves.

Eye protection : Safety glasses or chemical splash goggles.

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 : Fine granules

Colour : white

Odour : not specified

Odour Threshold : not tested.

pH : not tested.

Softening point : approx. 298 °F / 148 °C  
Method: ASTM D 3104

Melting point : approx. 284 °F / 140 °C  
Method: DSC

Boiling point : not determined

Flash point : not tested.

Evaporation rate : not determined

Flammability (solid, gas) : does not ignite  
Method: Flammability (solids)  
GLP: no

Self-ignition : Method: Expert judgement  
The substance or mixture is not classified as pyrophoric. The

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substance or mixture is not classified as self heating.

Burning number	:	2 (68 °F / 20 °C) Method: VDI 2263-1 GLP: no Short flaring up without spreading
	:	2 (212 °F / 100 °C) Method: VDI 2263-1 GLP: no Short flaring up without spreading
	:	5 (68 °F / 20 °C) Method: VDI 2263,ESCIS: Volume 1, with the addition of 20% SiO <sub>2</sub> . VDI is The Union of German Engineers.ESCIS is The Safety Commission of the Swiss Chemical Industry GLP: no Complete combustion with flames
Upper explosion limit / upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Vapour pressure	:	< 0.1 mbar Method: calculated
Relative vapour density	:	not determined
Density	:	approx. 0.90 g/cm <sup>3</sup> (73 °F / 23 °C) Method: ISO 1183
Solubility(ies)	:	
Water solubility	:	insoluble (68 °F / 20 °C)
Solubility in other solvents	:	not tested.
Partition coefficient: n-octanol/water	:	Method: other (calculated) not determinable (polymer)
Auto-ignition temperature	:	not tested.
Decomposition temperature	:	No decomposition if used as directed.
Viscosity	:	
Viscosity, dynamic	:	approx. 1,500 mPa.s (338 °F / 170 °C) Method: DIN 53019
Explosive properties	:	Not explosive Method: Expert judgement GLP: no

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Oxidizing 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.
Dust deflagration index (Kst)	:	18 m.b_/s GLP: no
Dust explosion class	:	St1
Minimum ignition energy	:	100 mJ Method: DIN EN 13821 with inductive electrical resistance
Particle size	:	210 µm Method: ISO 13320-1 GLP: no Median value

**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	:	None known.
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:**

Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg
Acute inhalation toxicity	:	Remarks: not tested.
Acute dermal toxicity	:	Remarks: not tested.

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**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:**

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.

**Experience with human exposure****Product:**

General Information : The possible symptoms known are those derived from the

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labelling (see section 2).

**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/aquatic plants : Remarks: not tested.

Toxicity to microorganisms : 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 Code : No -- Not as sold.

Waste Code : None

Waste from residues : Small quantities may be treated in aerobic wastewater treatment systems. Larger quantities may be incinerated or landfilled after solidification in permitted systems.

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 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Combustible dust

**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**

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

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

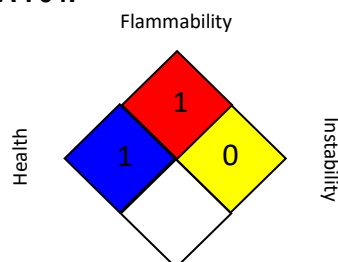
TSCA : On TSCA Inventory

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**SECTION 16. OTHER INFORMATION****Further information****NFPA 704:**

Special hazard.

**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; 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

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Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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

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