

LIOCENE PP 6102 FINE GRAIN

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Substance key: 000000065848

Revision Date: 06/05/2023

Version : 3 - 5 / USA

Date of printing :06/27/2024

SECTION 1. IDENTIFICATION

| | |
|---------------------------------------|--|
| Identification of the company: | Clariant Plastics & Coatings (Deutschland) GmbH Frankfurt am Main, 65926 Telephone No.: +49 69 305 18000 |
| | Information of the substance/preparation: Product Stewardship, +1-704-331-7710 e-mail: SDS.NORAM@clariant.com |
| | Emergency tel. number: +1 800-424-9300 CHEMTREC |

Trade name: LIOCENE PP 6102 FINE GRAIN**Material number:** 177681**CAS number:** 9003-07-0**Primary product use:** Additive**Chemical family:** Polypropylene wax

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (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**

No additional hazards are known except those derived from the labelling.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Substance name : Polypropylene wax

CAS-No. : 9003-07-0

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Components

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

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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 thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get medical attention immediately if irritation develops and persists.
- If swallowed : If swallowed, DO NOT induce vomiting.
Do not give anything to drink.
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 : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water mist
Foam
Dry powder
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Thermal decomposition may produce:
Carbon oxides
- Electrical grounding of equipment is required to prevent possible dust explosion. Emits toxic fumes under fire conditions.

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- 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 : Impervious clothing
Protective helmets
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 and collect into 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 : 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.

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

- Engineering measures** : A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OEL).

Personal protective equipment

- Respiratory protection : Use NIOSH/MSHA approved respirators following

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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. |
| Skin and body protection | : | Wear suitable protective clothing. |
| 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 |
| pH | : | Not applicable |
| Melting point | : | 284 °F / 140 °C |
| Drop point | : | approx. 293 °F / 145 °C Method: ASTM D 3954-94 |
| Boiling point | : | no data available |
| Flash point | : | 410 °F / 210 °C Method: DIN EN 22719 / ISO 2719 (closed cup) |
| Flammability (solid, gas) | : | not determined |
| Self-ignition | : | 752 °F / 400 °C Method: EC/440/2008, A.15 GLP: no not auto-flammable |
| Burning number | : | 1 (73 °F / 23 °C) Method: VDI 2263, ESCIS, Vol. 1 GLP: no Does not catch fire |

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| | | |
|--|---|--|
| Upper explosion limit / upper flammability limit | : | Not applicable |
| Lower explosion limit / Lower flammability limit | : | Not applicable |
| Vapour pressure | : | Not applicable |
| Relative vapour density | : | Not applicable |
| Density | : | approx. 0.90 g/cm ³ (73 °F / 23 °C) Method: ISO 1183 |
| Bulk density | : | no data available |
| Solubility(ies) Water solubility | : | insoluble (68 °F / 20 °C) |
| Partition coefficient: n-octanol/water | : | no data available |
| Auto-ignition temperature | : | Not applicable |
| Decomposition temperature | : | ca. 824 °F / 440 °C Heating rate: 3 K/min Method: DSC No decomposition if used as directed. |
| Viscosity Viscosity, dynamic | : | approx. 60 mPa.s (338 °F / 170 °C) Method: DIN 53019 |
| Viscosity, kinematic | : | Not applicable |
| Explosive properties | : | Not explosive GLP: no |
| Self-heating substances | : | no data available |
| Dust explosion class | : | St1 |
| Metal corrosion rate | : | Not applicable |
| Minimum ignition energy | : | 1 - 10 mJ Method: Mike 3 apparatus with inductive electrical resistance |
| Particle size | : | no data available |
| Particle Size Distribution | : | D50 = 230 µm |

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Measurement method: ISO 13320

SECTION 10. STABILITY AND REACTIVITY

| | | |
|------------------------------------|---|--|
| Reactivity | : | See section 10.3. "Possibility of hazardous reactions" |
| 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. Stable |
| 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: no data available |
| Acute dermal toxicity | : | Remarks: no data available |

Skin corrosion/irritation**Product:**

Remarks : not tested.

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

Remarks : not tested.

Respiratory or skin sensitisation**Product:**

Remarks : not tested.

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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** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.**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 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.

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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 tested.

Mobility in soil

no data available

Other adverse effects

Product:

Environmental fate and : Remarks: no data available
pathways

Additional ecological : Product is insoluble in water
information 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.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

RCRA - Resource : No -- Not as sold.
Conservation and Recovery

Authorization Act
Waste Code : none

Waste from residues : Dispose of spilled or waste product, contaminated soil and
other contaminated materials in licensed landfill or treatment
facility in accordance with all local, state, and federal
regulations.

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as
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SECTION 14. TRANSPORT INFORMATION

| | |
|-------------|----------------|
| DOT | not restricted |
| IATA | not restricted |
| IMDG | not restricted |

SECTION 15. REGULATORY INFORMATION**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 Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

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

This product does not contain any priority pollutants related to the U.S. Clean Water Act

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

TSCA : On TSCA Inventory, All components are compliant with the TSCA Inventory Notification (Active) rule.

SECTION 16. OTHER INFORMATION

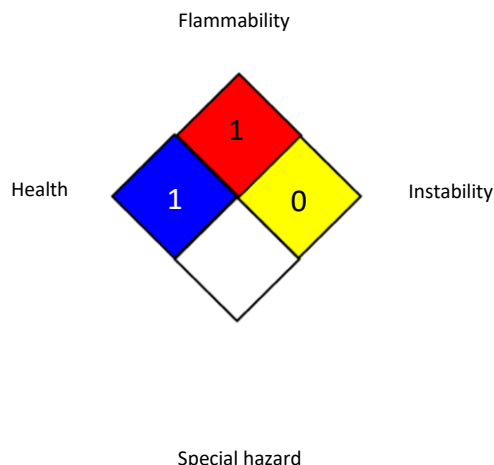
Further information

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NFPA 704:**Full text of other abbreviations**

AICC - Australian Inventory of Industrial Chemicals; 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; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United

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Nations; UNRTDG - United Nations 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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