

## LIOCENE PP MA 6252 GR

Page 1

Substance key: 000000175918

Revision Date: 04/08/2022

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## 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 MA 6252 GR  
**Material number:** 205220  
**CAS number:** 25722-45-6  
**Primary product use:** Additive  
**Chemical family:** Polymer of polypropylene and maleic anhydride

## 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 : Polymer of polypropylene and maleic anhydride

## LIOCENE PP MA 6252 GR

Page 2

Substance key: 000000175918

Revision Date: 04/08/2022

Version : 3 - 10 / USA

Date of printing :07/20/2022

CAS-No. : 25722-45-6

**Components**

This product does not contain any components that require disclosure according to OSHA Hazard Communication Standard 2012.

**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 (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.

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Substance key: 000000175918

Revision Date: 04/08/2022

Version : 3 - 10 / USA

Date of printing :07/20/2022

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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 : 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.  
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

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**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.

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.

Contains no substances with occupational exposure limit values.

**Engineering measures** : A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational

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Substance key: 000000175918

Revision Date: 04/08/2022

Version : 3 - 10 / USA

Date of printing :07/20/2022

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## Exposure Limits (OEL).

**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 with side-shields
- Skin and body protection : Wear protective clothing, including long sleeves and gloves, to prevent skin contact.
- Protective measures : When working with hot material, avoid contact with skin. Observe the usual precautions for handling chemicals.
- 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.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : Granules
- Colour : light yellow
- Odour : not specified
- pH : Not applicable
- Drop point : approx. 284 °F / 140 °C  
Method: ASTM D 3954-94
- Boiling point : not determined
- Flash point : 412 °F / 211 °C  
Method: DIN EN 22719 / ISO 2719 (closed cup)
- Flammability (solid, gas) : not determined
- Self-ignition : no data available

## LIOCENE PP MA 6252 GR

Page 5

Substance key: 000000175918

Revision Date: 04/08/2022

Version : 3 - 10 / USA

Date of printing :07/20/2022

Density	:	approx. 0.93 g/cm <sup>3</sup> (73 °F / 23 °C) Method: ISO 1183
Solubility(ies) Water solubility	:	insoluble (68 °F / 20 °C)
Auto-ignition temperature	:	not determined
Decomposition temperature	:	No decomposition if used as directed.
Viscosity Viscosity, dynamic	:	approx. 100 mPa.s (338 °F / 170 °C)
Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive Method: Expert judgement GLP: no
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.
Metal corrosion rate	:	Not applicable
Minimum ignition energy	:	1 - 3 mJ Method: DIN EN ISO 80079-20-2 with inductive electrical resistance  10 - 30 mJ Method: DIN EN ISO 80079-20-2 without inductive electrical resistance
Particle Size Distribution	:	D50 = 121 µm Measurement method: ISO 13320 Measurement technique: laser diffraction

**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.

## LICOENE PP MA 6252 GR

Page 6

Substance key: 000000175918

Revision Date: 04/08/2022

Version : 3 - 10 / USA

Date of printing :07/20/2022

Conditions to avoid	:	Keep away from heat and sources of ignition.
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: > 2,000 mg/kg
Acute inhalation toxicity	:	Remarks: no data available
Acute dermal toxicity	:	Remarks: no data available

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

Assessment: non-irritant  
Result: No skin irritation

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

Result: slight irritant effect - does not require labelling  
Assessment: non-irritant

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

Genotoxicity in vitro	:	Remarks: not tested.
Germ cell mutagenicity - Assessment	:	No information available.

**Carcinogenicity****Product:**

Carcinogenicity - Assessment	:	No information available.
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Substance key: 000000175918

Revision Date: 04/08/2022

Version : 3 - 10 / USA

Date of printing :07/20/2022

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**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.  
No information available.

**STOT - single exposure****Product:**

Remarks: no data available

**STOT - repeated exposure****Product:**

Remarks: no data available

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

Remarks: not tested.

**Aspiration toxicity****Product:**

no data available

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

General Information

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

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

Remarks: According to experience and to the information available, the product has no harmful effects on health if used correctly and for the intended purpose.

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

Substance key: 000000175918

Revision Date: 04/08/2022

Version : 3 - 10 / USA

Date of printing :07/20/2022

composition.

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**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 availableAdditional 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 : This product, if discarded as sold, is not a Federal RCRA  
hazardous waste.



## LICOENE PP MA 6252 GR

Page 9

Substance key: 000000175918

Revision Date: 04/08/2022

Version : 3 - 10 / USA

Date of printing :07/20/2022

## 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 product waste

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**SECTION 14. TRANSPORT INFORMATION**

DOT not restricted

IATA not restricted

IMDG not restricted

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**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 material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

Substance key: 000000175918

Revision Date: 04/08/2022

Version : 3 - 10 / USA

Date of printing :07/20/2022

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:**

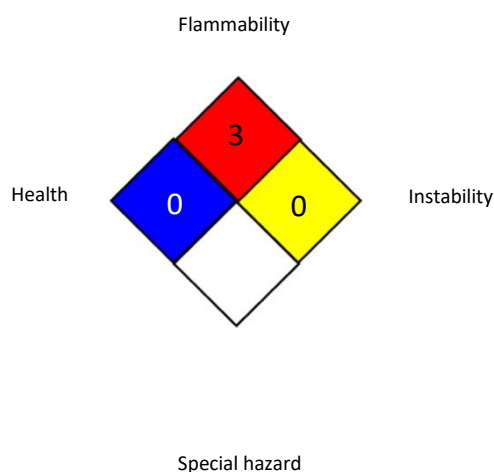
TSCA : On TSCA Inventory, All components are compliant with the TSCA Inventory Notification (Active) rule.

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## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:



### Full text of other abbreviations

AIIC - 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

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Substance key: 000000175918

Revision Date: 04/08/2022

Version : 3 - 10 / USA

Date of printing :07/20/2022

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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 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.

For additional information, contact Product Stewardship.

Revision Date : 04/08/2022

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application. NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE. Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.

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