

LICOWAX PED 191 FL

Page 1

Substance key: SXR021302

Revision Date: 08/28/2015

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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

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

Trade name: LICOWAX PED 191 FL
Material number: 107095
CAS number: 68441-17-8
Primary product use: Additive
Chemical family: Oxidized polyethylene wax

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Other hazards

Does not require a hazard warning label, but the normal safety precautions for handling chemicals must be observed.

Dust can form an explosive mixture in air.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture • Substance

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 : 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.

LICOWAX PED 191 FL

Page 2

Substance key: SXR021302

Revision Date: 08/28/2015

Version : 3 - 1 / USA

Date of printing :01/11/2017

- 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 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 : None known.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Foam
Water spray jet
Dry powder
- Unsuitable extinguishing media : High volume water jet
Carbon dioxide (CO₂)
- Specific hazards during firefighting : None known.
- 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.

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

Substance key: SXR021302

Revision Date: 08/28/2015

Version : 3 - 1 / USA

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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**

No level has been established by OSHA, NIOSH, ACGIH.

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.

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.

Substance key: SXR021302

Revision Date: 08/28/2015

Version : 3 - 1 / USA

Date of printing :01/11/2017

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: flakes
Particle size :	not tested.
Colour	: off-white
Odour	: not specified
Odour Threshold	: not tested.
pH	: not tested.
Drop point	: approx. 123 °C Method: DIN/ISO 2176
Boiling point	: not determined
Flash point	: approx. 270 °C Method: DIN 51758
Evaporation rate	: not determined
Flammability (solid, gas)	: not highly flammable Method: EC/440/2008, A.10 GLP: no
Upper explosion limit	: not tested.
Lower explosion limit	: not tested.
Combustion number :	BZ2 Short flaring up without spreading (20 °C) Method : VDI 2263, ESCIS, Vol. 1 GLP: no BZ2 Short flaring up without spreading (100 °C) Method : VDI 2263, ESCIS, Vol. 1 GLP: no BZ3 Local combustion without spreading (20 °C) Method : VDI 2263,ESCIS: Volume 1, with the addition of 20% SiO ₂ . VDI is The Union of German Engineers.ESCIS is The Safety Commission of the Swiss Chemical Industry GLP: no BZ3 Local combustion without spreading (100 °C) Method : VDI 2263,ESCIS: Volume 1, with the addition of 20% SiO ₂ . VDI is The Union of German Engineers.ESCIS is The Safety Commission of the Swiss Chemical Industry GLP: no

LICOWAX PED 191 FL

Page 5

Substance key: SXR021302

Revision Date: 08/28/2015

Version : 3 - 1 / USA

Date of printing :01/11/2017

Vapour pressure	:	not tested.
Relative vapour density	:	not tested.
Density	:	approx. 0.98 g/cm ³ (23 °C) Method: ISO 1183
Solubility(ies)		
Water solubility	:	2 mg/l (20 °C) Method: OECD Test Guideline 105 GLP: no
Solubility in other solvents	:	not tested.
Partition coefficient: n-octanol/water	:	log Pow: 0.4 (20 °C) Method: Calculated from the solubilities GLP: no
Auto-ignition temperature	:	not tested.
Decomposition temperature	:	No decomposition if used as directed.
Viscosity		
Viscosity, dynamic	:	approx. 1,800 mPa.s (140 °C) Method: DIN 53019
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.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use. 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. The substance or mixture does not emit flammable gases in

LICOWAX PED 191 FL

Page 6

Substance key: SXR021302

Revision Date: 08/28/2015

Version : 3 - 1 / USA

Date of printing :01/11/2017

contact with water.
Not corrosive to metals

Conditions to avoid : None known.

Incompatible materials : no data available

Hazardous decomposition products : When handled and stored appropriately, no dangerous decomposition products are known
The product does not contain any chemical groups which suggest self-reactive properties, nor is the estimated SADT less than 75 °C, nor is the exothermic decomposition energy higher than 300 J/g.

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.

Skin corrosion/irritation**Product:**

Species: Rabbit
Result: slight irritant effect - does not require labelling

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

Species: rabbit eye
Result: slight irritant effect - does not require labelling

Respiratory or skin sensitisation**Product:**

Remarks: not tested.

Germ cell mutagenicity**Product:**

Genotoxicity in vitro : Remarks: not tested.

Substance key: SXR021302

Revision Date: 08/28/2015

Version : 3 - 1 / USA

Date of printing :01/11/2017

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 labelling (see section 2).

Further information**Product:**

Remarks: By analogy with a product of similar composition

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 10,000 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
GLP: yes

Substance key: SXR021302

Revision Date: 08/28/2015

Version : 3 - 1 / USA

Date of printing :01/11/2017

Toxicity to algae :
Remarks: not tested.

Toxicity to bacteria : Remarks: not tested.

Persistence and degradability**Product:**

Biodegradability : Biodegradation: > 95 %
Method: OECD Test Guideline 302B
Remarks: The product is slightly soluble in water. It can be eliminated from water by abiotic processes.

Physico-chemical
removability : > 95 %

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 : no data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

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

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

SECTION 14. TRANSPORT INFORMATION

Substance key: SXR021302

Revision Date: 08/28/2015

Version : 3 - 1 / USA

Date of printing :01/11/2017

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 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

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION**Further information**

On the basis of an extensive test program, which had to be submitted to the competent authority on the occasion of the Notification of the substance in the European Community, this product was found to be toxicologically not dangerous within the meaning of the EC Directives.

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

SAFETY DATA SHEET



LICOWAX PED 191 FL

Page 10

Substance key: SXR021302

Revision Date: 08/28/2015

Version : 3 - 1 / USA

Date of printing :01/11/2017

Revision Date : 08/28/2015

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications.

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