

Substance key: SXR021311

Revision Date: 19.02.2015

Version : 3 - 5 / EU

Date of printing : 16.06.2015

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Trade name**

LICOWAX PED 521 GR

**Material number:** 105216

**CAS number :** 68441-17-8

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses of the substance or mixture**

Industry sector : Polymers industry  
Paints, lacquers and varnishes industry

### 1.3. Details of the supplier of the safety data sheet

**Identification of the company**

Clariant Produkte (Deutschland) GmbH

65926 Frankfurt am Main  
Telephone no. : +49 69 305 18000

**Information about the substance/mixture**

Corp Product Stewardship  
e-mail: MSDS.CorpPS\_BU\_Additives@clariant.com

### 1.4. Emergency telephone number

00800-5121 5121 (24 h)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according CLP regulation (Regulation (EC) No. 1272/2008, as amended)**

Not a hazardous substance or mixture.

### 2.2. Label elements

**Labelling according CLP regulation (Regulation (EC) No. 1272/2008, as amended)**

Not a hazardous substance or mixture., The product does not require classification and labelling as hazardous according to CLP/GHS.

### 2.3. 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.

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

#### Chemical characterization

Oxidized Polyethylene wax

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Get medical advice/ attention if you feel unwell.

#### After inhalation

Remove to fresh air.

#### After contact with skin

Cool skin rapidly with cold water after contact with molten material.

Do not peel solidified product off the skin.

Get medical attention.

#### After contact with eyes

Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.

#### After ingestion

If swallowed do not induce vomiting, seek medical advice and show safety datasheet or label

### 4.2. Most important symptoms and effects, both acute and delayed

#### Symptoms

No symptoms known currently.

#### Hazards

No hazards known at this time.

### 4.3. Indication of any immediate medical attention and special treatment needed

#### Treatment

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Foam

Water spray jet

Dry powder

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**Extinguishing media that must not be used for safety reasons**

High volume water jet  
Carbon dioxide (CO<sub>2</sub>)

**5.2. Special hazards arising from the substance or mixture**

None known.  
Electrical grounding of equipment is required to prevent possible dust explosion. Emits toxic fumes under fire conditions.

**5.3. Advice for firefighters**

**Special protective equipment for firefighting**

Self-contained breathing apparatus  
impervious clothing  
Protective helmets

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

Wear suitable protective equipment.

**6.2. Environmental precautions**

The product should not be allowed to enter drains, water courses or the soil.

**6.3. Methods and material for containment and cleaning up**

Take up mechanically

**6.4. Reference to other sections**

**Additional information**

Information regarding Safe handling, see chapter 7.  
For personal protection see section 8.  
Information regarding Waste Disposal, see chapter 13.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

**Advice on safe handling**

When used and handled appropriately no special measures are needed  
Avoid dust formation.

**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.

**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

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**Fire class :** A

## 7.2. Conditions for safe storage, including any incompatibilities

### Further information on storage conditions

Keep containers tightly closed in a cool, well-ventilated place.  
Handle and open container with care.  
Keep away sources of ignition.

## 7.3. Specific end use(s)

No further recommendations.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values

Exposure limit values are not available.

#### DNEL/DMEL values

DNEL/DMEL values are not available.

#### PNEC values

PNEC values are not available.

### 8.2. Exposure controls

#### General protective measures

When working with hot material, avoid contact with skin.

**Respiratory protection :** No special protective equipment required.

**Hand protection :** Nitrile rubber gloves.  
Minimum breakthrough time (glove): not determined  
Minimum thickness (glove): not determined  
Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

**Eye protection :** Safety glasses

**Body protection :** working clothes

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Physical state :** solid ( 20 °C ; 1.013 hPa )

**Form :** solid

**Particle size : :** not tested.

**Colour :** off-white

**Odour :** not specified

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<b>Odour threshold :</b>	not tested.
<b>pH value :</b>	Not applicable
<b>Drop point :</b>	approx. 104 °C Method : DIN/ISO 2176
<b>Boiling point :</b>	not determined
<b>Flash point :</b>	approx. 260 °C Method : DIN 51758 (closed cup)
<b>Evaporation rate :</b>	not tested.
<b>Flammability :</b>	does not ignite Method : EC/440/2008, A.10
<b>Lower explosion limit :</b>	Not applicable
<b>Upper explosive limit :</b>	not tested.
<b>Combustion number :</b>	BZ2 Short flaring up without spreading ( 20 °C) Method : VDI 2263-1
<b>Combustion number :</b>	BZ2 Short flaring up without spreading ( 100 °C) Method : VDI 2263-1
<b>Combustion number :</b>	BZ2 Short flaring up without spreading ( 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
<b>Combustion number :</b>	BZ2 Short flaring up without spreading ( 100 °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
<b>Minimum ignition energy :</b>	not tested.
<b>Vapour pressure :</b>	Not applicable
<b>Vapour density relative to air :</b>	not tested.
<b>Solubility in water :</b>	Difficult to dissolve
<b>Soluble in ... :</b>	not tested.
<b>Octanol/water partition coefficient (log Pow) :</b>	not tested.
<b>Ignition temperature :</b>	Not applicable
<b>Self-ignition temperature :</b>	Method : Expert judgement The substance or mixture is not classified as pyrophoric. The product melts below 160 °C. Therefore, no further testing of self-heating properties is required.
<b>Thermal decomposition :</b>	No decomposition if used as directed.
<b>Viscosity (dynamic) :</b>	approx. 350 mPa.s (120 °C) Method : DIN 53019

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**Explosive properties :** Explosive according to EU supply regulations : Not explosive  
Method : Expert judgement

**Oxidizing properties :** Type of oxidizing effect : The substance or mixture is not classified as oxidizing.  
Method : Expert judgement  
The product does not contain organic peroxide-groups which result from either the manufacturing process or from added ingredients.

## 9.2. Other information

**Density :** 0,95 g/cm<sup>3</sup> (23 °C)  
Method : ISO 1183

**Acid number (mgKOH/g) :** approx. 17 mg/g  
Method : ISO 2114

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

See section 10.3. "Possibility of hazardous reactions"

### 10.2. Chemical stability

Stable

### 10.3. 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.

The substance or mixture does not emit flammable gases in contact with water.

Not corrosive to metals

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

no data available

### 10.6. 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

### 11.1. Information on toxicological effects

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**Information related to the product itself:**

<b>Acute oral toxicity :</b>	LD50 > 2.000 mg/kg (Rat) Method : OECD Test Guideline 423 No lethality up to the maximum concentration which is technically testable.
<b>Acute dermal toxicity :</b>	not tested.
<b>Acute inhalation toxicity :</b>	not tested.
<b>Irritant effect on skin :</b>	slight irritant effect - does not require labelling (Rabbit) By analogy with a product of similar composition
<b>Irritant effect on eyes :</b>	slight irritant effect - does not require labelling (rabbit eye) By analogy with a product of similar composition
<b>Sensitization :</b>	not tested.
<b>Repeated dose toxicity:</b>	not tested.
<b>Genetic toxicity in vitro :</b>	not tested.
<b>Assessment of mutagenicity :</b>	No information available.
<b>Assessment of carcinogenicity :</b>	No information available.
<b>Assessment of toxicity to reproduction :</b>	No information available.
<b>Specific target organ toxicity (STOT) - single exposure :</b>	no data available
<b>Specific target organ toxicity (STOT) - repeated exposure :</b>	no data available
<b>Aspiration hazard :</b>	no data available

## SECTION 12: Ecological information

### 12.1. Toxicity

**Information related to the product itself:**

<b>Fish toxicity :</b>	LC50 > 10.000 mg/l (96 h, Danio rerio (zebra fish)) Method : OECD Test Guideline 203
<b>Daphnia toxicity :</b>	EC50 > 10.000 mg/l (48 h, Daphnia magna (Water flea)) Method : OECD Test Guideline 202
<b>Algae toxicity :</b>	not tested.
<b>Bacteria toxicity :</b>	not tested.

### 12.2. Persistence and degradability

**Information related to the product itself:**

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**Biodegradability :** The product is slightly soluble in water. It can be eliminated from water by abiotic processes.

## 12.3. Bioaccumulative potential

**Information related to the product itself:**

**Bioaccumulation:** not available

## 12.4. Mobility in soil

**Information related to the product itself:**

**Behaviour in environmental compartments**  
no data available

## 12.5. Results of PBT and vPvB assessment

**Information related to the product itself:**

No information is available as no chemical safety report (CSR) is required.

## 12.6. Other adverse effects

**Information related to the product itself:**

**Additional ecotoxicological remarks**  
no data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### **Product**

Can be disposed of or incinerated together with household refuse in accordance with the regulations after consultation with the disposal agency and the relevant authorities.

#### **Uncleaned packaging**

Packaging that cannot be cleaned should be disposed of as product waste

## SECTION 14: Transport information

### Section 14.1. to 14.5.

<b>ADR</b>	not restricted
<b>ADN</b>	not restricted
<b>RID</b>	not restricted
<b>IATA</b>	not restricted
<b>IMDG</b>	not restricted

### 14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.



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#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code (International Bulk Chemicals Code)

No transport as bulk according IBC - Code.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### Other regulations

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

#### 15.2. Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

### SECTION 16: Other 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.

#### Legend

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AOX	Adsorbable organic bound halogens
CAS	Chemical Abstracts Service
DMEL	Derived Minimal Effect Level (genotoxic substances)
DNEL	Derived No Effect Level
EC50	Half maximal effective concentration
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOEC	Non Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative, Toxic
PEC	Predicted Environmental Concentration
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	International Rule for Transport of Dangerous Substances by Railway

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**CLARIANT** 

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SVHC  
vPvB

Substances of Very High Concern  
very Persistent and very Bioaccumulative

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Decimal notation: "thousands" places are identified with a dot (for example, "2.000 mg/kg" means "two thousand mg/kg"). Decimal places are identified with a comma (for example, "1,35 g/cm<sup>3</sup>" means "one point three five g/cm<sup>3</sup>").

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