

Safety Data Sheet in accordance with Regulation (EU)**No.453/2010****LICOWAX PED 522 GR**

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Substance key: SXR021312
Version : 3 - 2 / EURevision Date: 21.12.2010
Date of printing : 05.09.2011**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Trade name****LICOWAX PED 522 GR****Material number:** 116134**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
Type of use :	Industrial uses are not restricted by REACH legislation.

1.3. Details of the supplier of the safety data sheet**Identification of the company**

Clariant Produkte (Deutschland) GmbH

86368 Gersthofen

Telephone no. : +49 6196 757 60

Information about the substance/mixture

Division Pigments & Additives

+49 (0)821 479 2521

e-mail: PA.PSGERSTHOFEN@CLARIANT.COM

1.4. Emergency telephone number

00800-5121 5121 (24 h)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****2.2. Label elements****Labelling according CLP regulation (Regulation (EC) No. 1272/2008, as amended)**

The product does not require classification and labelling as hazardous according to CLP/GHS.

2.3. Other hazards

According to the present state of knowledge provided this product is handled correctly, there is no danger to humans or the environment

Organic substances in powder form may have the potential to cause dust explosions.

The relevant minimum standards for protective measures in the chemical industry should be observed.

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Oxidized polyethylene wax

CAS number : 68441-17-8**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Seek medical assistance if discomfort continues

After inhalation

Remove the casualty into fresh air and keep him calm.

After contact with skin

After contact with molten product cool quickly with cold water

Do not pull solidified product from skin

Take for medical treatment

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

Full water jet
carbon dioxide

5.2. Special hazards arising from the substance or mixture

None known.

5.3. Advice for firefighters

Special protective equipment for firefighting

Use self-contained breathing apparatus
Impermeable protective clothing (jacket and trousers) with helmet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective equipment.

6.2. Environmental precautions

Do not allow entry to drains, water courses or 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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide suitable exhaust ventilation at the processing machines.

Advice on protection against fire and explosion

Take precautions against accumulation of electrostatic charge
Observe the general rules of industrial fire protection

Fire class : B

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

No further recommendations.

SECTION 8: Exposure controls/personal protection

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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

Avoid contact of molten material with skin

Hygiene measures

Wash hands before breaks and after work.

At work do not eat, drink, smoke or take drugs.

Use barrier skin cream.

Hand protection :

Nitrile rubber gloves.

Minimum breakthrough time (glove): not determined

Minimum thickness (glove): not determined

Observe the information of the glove manufacturers on permeability and breakthrough times and other workplace requirements

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

Form :

Granules

Particle size :

not tested.

Colour :

almost white

Odour :

not specified

Odour threshold :

not tested.

pH value :

Not applicable

Drop forming point :

approx. 101 °C

Method : DIN/ISO 2176

Boiling point :

not determined

Flash point :

approx. 260 °C

Method : DIN 51758 (closed cup)

Evaporation rate :

not tested.

Flammability

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Lower explosion limit :	Not applicable
Upper explosive limit :	not tested.
Combustion number :	BZ2 Short flaring up without spreading (20 °C) Method : VDI 2263, ESCIS, Vol. 1
Combustion number :	BZ2 Short flaring up without spreading (100 °C) Method : VDI 2263, ESCIS, Vol. 1
Minimum ignition energy :	not tested.
Vapour pressure :	Not applicable
Vapour density relative to air :	not tested.
Solubility in water :	Difficult to dissolve
Soluble in ... :	not tested.
Octanol/water partition coefficient (log Pow) :	not tested.
Ignition temperature :	Not applicable
Self-ignition temperature :	Method : Expert statement There is no information which suggests that the product is pyrophoric., The product melts below 160 °C. Therefore, no further testing of self-heating properties is required.
Thermal decomposition :	No decomposition if used as prescribed.
Viscosity (dynamic) :	approx. 250 mPa.s (120 °C) Method : DIN 53019
Explosive properties :	Explosive according to EU supply regulations : not explosive Method : Expert statement
Oxidizing properties :	Type of oxidizing effect : no oxidizing properties Method : Expert statement
Oxidizing properties :	Method : Expert statement The product does not contain organic peroxide-groups which result from either the manufacturing process or from added ingredients.

9.2. Other information

Density :	0,96 g/cm ³ (23 °C) Method : ISO 1183
Bulk density :	Not applicable
Acid number (mgKOH/g) :	approx. 25 mg/g Method : ISO 2114

SECTION 10: Stability and reactivity**10.1. Reactivity**

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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.

There is no evidence that the product produces flammable gases in contact with water.

The product has no corrosive-to-metals properties.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

not known

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 greater than 75 °C (>,<) nor is the exothermic decomposition energy higher than 300 J/g.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity :	LD50 > 2.000 mg/kg (rat)
Acute dermal toxicity :	not tested.
Acute inhalation toxicity :	not tested.
Irritant effect on skin :	slight irritant effect - does not require labelling (rabbit)
Irritant effect on eyes :	slight irritant effect - does not require labelling (rabbit eye)
Sensitization :	not tested.
Repeated dose toxicity:	not tested.
Genetic toxicity in vitro :	not tested.
Assesment of mutagenicity :	not tested.
Assessment of carcinogenicity :	not tested.
Assessment of toxicity to reproduction :	not tested.

Remarks

By analogy with a product of similar composition

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Fish toxicity :	not tested.
Daphnia toxicity :	not tested.
Algae toxicity :	not tested.
Bacteria toxicity :	not tested.

12.2. Persistence and degradability

Physico-chemical eliminability :	> 95 %
Biodegradability :	> 95 % Method : OECD 302B / ISO 9888 / EEC 88/302C The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

12.3. Bioaccumulative potential

Bioaccumulation:	not available
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12.4. Mobility in soil

Behaviour in environmental compartments
No known data.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

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

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ADR	not restricted
ADNR	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC 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****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.

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/cm³" means "one point three five g/cm³").

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. 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

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obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.