

# Safety data sheet

## according to 1907/2006/EC

Printing date 01.04.2015

Version number 16

Revision: 01.04.2015

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

· **1.1 Product identifier**

· Trade name **HD-LUX PARKETTSCHEIFGRUND**

· Article number: 1350-0100

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture** Coating material

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

HEIDELBERGER LACKFABRIK

RENTZSCH GMBH & CO. KG

KURPFALZRING 100A

D-69123 HEIDELBERG

GERMANY

PHONE: +49 6221 7485-0

FAX: +49 6221 7485-24

EMAIL: info@heidelberger-lackfabrik.de

· **Informing department:** Product safety department.

· **1.4 Emergency telephone number:**

TEL.: 06221 / 7485-16 (Mo.-Fr. 7:30-16:00)

EMAIL: labor@heidelberger-lackfabrik.de

### SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R36/37/38: Irritating to eyes, respiratory system and skin.



Xi; Sensitising

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*R43: May cause sensitisation by skin contact.*

· **Information concerning particular hazards for human and environment:**

*The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*

· **Classification system:**

*The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.*

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

*The product is classified and labelled according to the CLP regulation.*

· **Hazard pictograms GHS07**

· **Signal word Warning**

· **Hazard-determining components of labelling:**

*Bisphenol A Diglycidether Diacrylat*

*Trimethylpropan, ethoxyliert, verestert mit Acrylsäure*

*1,4-butanediyl diacrylate*

· **Hazard statements**

*H315 Causes skin irritation.*

*H319 Causes serious eye irritation.*

*H317 May cause an allergic skin reaction.*

*H335 May cause respiratory irritation.*

· **Precautionary statements**

*P280 Wear protective gloves/protective clothing/eye protection/face protection.*

*P261 Avoid breathing dust/fume/gas/mist/vapours/spray.*

*P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

*P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.*

*P403+P233 Store in a well-ventilated place. Keep container tightly closed.*

*P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:** Mixture of the substances listed below with harmless additions.

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**· Dangerous components:**

CAS: 28961-43-5 NLP: 500-066-5 Reg.nr.: 01-2119489900-30	Trimethylpropan, ethoxyliert, verestert mit Acrylsäure  Xi R36/37/38  Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	25-50%
CAS: 55818-57-0 NLP: 500-130-2	Bisphenol A Diglycidether Diacrylat  Xi R43 R53  Skin Sens. 1, H317; Aquatic Chronic 4, H413	2.5-10%
CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO <sub>2</sub> )  Xn R20-48  Acute Tox. 4, H332	2.5-10%
CAS: 1070-70-8 EINECS: 213-979-6	1,4-butanediyl diacrylate  C R34;  Xn R21;  Xi R43  Skin Corr. 1B, H314;  Acute Tox. 4, H312; Skin Sens. 1, H317	< 2.5%
CAS: 7473-98-5 EINECS: 231-272-0 Reg.nr.: 01-2119472306-39	2-hydroxy-2-methylpropiophenone  Xn R22  Acute Tox. 4, H302; Aquatic Chronic 3, H412	< 2.5%

· **SVHC** The product contains no substances named in the SVHC candidate list.· **Additional information** For the wording of the listed risk phrases refer to section 16.

## SECTION 4: First aid measures

· **4.1 Description of first aid measures**

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** In case of persistent symptoms consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed** Allergic reactions· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**· **Suitable extinguishing agents**CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.· **For safety reasons unsuitable extinguishing agents** Water with a full water jet.· **5.2 Special hazards arising from the substance or mixture**

Under certain fire conditions, traces of other toxic gases cannot be excluded.

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- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Use breathing protection against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or water bodies.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** The product is not flammable
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Store in cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class** 12
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### · DNELs

**28961-43-5 Trimethylpropan, ethoxyliert, verestert mit Acrylsäure**

Oral	DNEL	1.39 mg/kg bw/day (consumer, systemic, long term)
Dermal	DNEL	0.8 mg/kg bw/day (worker, systemic, long term)

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Inhalative	DNEL	0.48 mg/kg bw/day (consumer, systemic, long term)
		16.2 mg/m³ (worker, systemic, long term)
		4.9 mg/m³ (consumer, systemic, long term)
<b>55818-57-0 Bisphenol A Diglycidether Diacrylat</b>		
Dermal	DNEL	17.5 mg/kg bw/day (worker, systemic, long term)
Inhalative	DNEL	122.5 mg/m³ (worker, systemic, long term)
<b>7473-98-5 2-hydroxy-2-methylpropiophenone</b>		
Dermal	DNEL	1.25 mg/kg bw/day (worker, systemic, short term)
		1.25 mg/kg bw/day (worker, systemic, long term)
Inhalative	DNEL	3.5 mg/m³ (worker, systemic, short term)
		3.5 mg/m³ (worker, systemic, long term)

**· PNECs**
**28961-43-5 Trimethylpropan, ethoxyliert, verestert mit Acrylsäure**

PNEC	0.00195 mg/l (fresh water)
	0.000195 mg/l (salt water)
	0.0195 mg/l (sporadic release)
	10 mg/l (sewage plant (STP))
	0.0082 mg/kg dwt (fresh water sediment)
	0.00587 mg/kg dwt (soil)

**55818-57-0 Bisphenol A Diglycidether Diacrylat**

PNEC	0.1 mg/l (fresh water)
	0.01 mg/l (salt water)
	1.0 mg/l (sporadic release)
	10 mg/l (sewage plant (STP))
	35.8 mg/kg dwt (fresh water sediment)
	3.58 mg/kg dwt (salt water sediment)
	71 mg/kg dwt (soil)

**7473-98-5 2-hydroxy-2-methylpropiophenone**

PNEC	0.00195 mg/l (fresh water)
	0.000195 mg/l (salt water)
	0.000514 mg/kg dwt (salt water)
	0.0195 mg/l (sporadic release)
	45 mg/l (sewage plant (STP))
	0.00514 mg/kg dwt (fresh water sediment)
	0.000674 mg/kg dwt (soil)

**· Additional information:** The lists that were valid during the compilation were used as basis.

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### · 8.2 Exposure controls

#### · Personal protective equipment

#### · General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

#### · Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

#### · Protection of hands:



Protective gloves.

#### · Material of gloves

We recommend:

Nitril / Neopren ; strength >0,55 mm

naturelatex; strength > 1,0 mm

e.g. Sol-Vex 37-185; Emperor ME 104

(breakdown time >180 min)

#### · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### · Eye protection: Tightly sealed safety glasses.

#### · Body protection: Protective work clothing.

## SECTION 9: Physical and chemical properties

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

#### · General Information

#### · Appearance:

**Form:**

Fluid

**Colour:**

According to product specification

#### · Smell:

Recognisable

#### · Odour threshold:

Not determined.

#### · pH-value:

Neutral

#### · Change in condition

**Melting point/Melting range:**

Not determined

**Boiling point/Boiling range:**

Not determined

#### · Flash point

(ISO 3679 / ISO 3680; SETA CLOSED CUP): Not applicable

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· <b>Inflammability (solid, gaseous)</b>	Not applicable.
· <b>Ignition temperature:</b>	365 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· <b>Critical values for explosion:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Steam pressure:</b>	Not determined.
· <b>Density (DIN 51757) at 20 °C:</b>	1.249 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>dynamic:</b>	Not determined.
<b>kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>Water:</b>	0.0 %
<b>VOC, EU (%)</b>	0.00 %
<b>Solids content(DIN 53189):</b>	98.7 %
· <b>9.2 Other information</b>	No further relevant information available.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.

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- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

### **28961-43-5 Trimethylpropan, ethoxyliert, verestert mit Acrylsäure**

Oral	LD50	> 2000 mg/kg (rat)
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### **55818-57-0 Bisphenol A Diglycidether Diacrylat**

Oral	LD50	> 2000 mg/kg (rat)
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Dermal	LD50	> 2000 mg/kg (rabbit)
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### **7473-98-5 2-hydroxy-2-methylpropiophenone**

Oral	LD50	1694 mg/kg (rat) (OECD-Richtlinie 423)
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Dermal	LD50	6929 mg/kg (rat) (OECD-Richtlinie 402)
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### **Ethoxylierte Ethindiole**

Oral	LD50	>2000 mg/kg (kan)
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		>2000 mg/kg (rat)
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- **Primary irritant effect:**

- **on the skin:** Irritant for skin and mucous membranes.

- **on the eye:** Irritant effect.

- **Sensitisation:** Sensitization possible by skin contact.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

## SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

### **28961-43-5 Trimethylpropan, ethoxyliert, verestert mit Acrylsäure**

EC50	70.7 mg/l (daphniae) (48 h; <i>Daphnia magna</i> )
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ErC50	2.2 mg/l (algae) (72 h; <i>Desmodesmus subspicatus</i> )
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LC50	1.95 mg/l (fish) (96 h; <i>Brachydanio rerio</i> )
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### **7473-98-5 2-hydroxy-2-methylpropiophenone**

EC10	450 mg/l (bacteriae) (OECD-Richtlinie 209, aerob)
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EC50 (static)	> 119 mg/l (daphniae) (OECD-Richtlinie 202, Teil 1)
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	1.95 mg/l (algae) (OECD-Richtlinie 201)
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	> 1000 mg/l (bacteriae) (OECD-Richtlinie, aerob)
LC50 (static)	160 mg/l (fish) (DIN 38412 Teil 15)

**12.2 Persistence and degradability**
**7473-98-5 2-hydroxy-2-methylpropiophenone**

CO2-Development Test (OECD 301 B) 90 - 100 % (-) (28 d)

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**Additional ecological information:**
**AOX-indication:** not relevant

**According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:**

none

**General notes:**

Water hazard class 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

**12.5 Results of PBT and vPvB assessment**
**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods**
**Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**European waste catalogue**

The waste key numbers from EWC, is sector and process-specific implement .

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 17*	wastes from paint or varnish removal containing organic solvents or other dangerous substances

**Uncleaned packagings:**
**Recommendation:** Disposal must be made according to official regulations.

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### SECTION 14: Transport information

· <b>14.1 UN-Number</b>	
· <b>ADR, ADN, IMDG, IATA</b>	No dangerous good
· <b>14.2 UN proper shipping name</b>	
· <b>ADR, ADN, IMDG, IATA</b>	No dangerous good
· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	No dangerous good
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	No dangerous good
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Transport only in sealed and upright standing containers. Transport only by persons instructed concerning the measures in case of spilling or accident.
· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	-

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Information about limitation of use:** none
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The REACH registration numbers given in chapter 1 (for substances) or chapter 3 (for formulations) are given to our present knowledge resulting from the information provided by our suppliers.

- **Relevant phrases**
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.

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- H315 Causes skin irritation.*  
*H317 May cause an allergic skin reaction.*  
*H319 Causes serious eye irritation.*  
*H332 Harmful if inhaled.*  
*H335 May cause respiratory irritation.*  
*H412 Harmful to aquatic life with long lasting effects.*  
*H413 May cause long lasting harmful effects to aquatic life.*
- 
- R20 Harmful by inhalation.*  
*R21 Harmful in contact with skin.*  
*R22 Harmful if swallowed.*  
*R34 Causes burns.*  
*R36/37/38 Irritating to eyes, respiratory system and skin.*  
*R43 May cause sensitisation by skin contact.*  
*R48 Danger of serious damage to health by prolonged exposure.*  
*R53 May cause long-term adverse effects in the aquatic environment.*

· **Contact:** Dr.Marcus Rentzsch

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

· **\* Data compared to the previous version altered.**