

**Safety data sheet**

according to UK REACH

Printing date 06.02.2025

Version number 03-05 (replaces version 03-04)

Revision: 06.02.2025

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**Trade name: **LUCITE® 190 2K Epoxy Primer****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 agent**Uses advised against**

This product is not suitable for uses other than those specified in the "Use of the substance/mixture". If your particular manner of use is not listed, please contact the creator of this safety data sheet.

**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Dörken Coatings GmbH & Co. KG  
Wetterstr. 58  
58313 Herdecke  
Germany  
www.doerkencoatings.de

Phone: +49 2330 63 243

Fax: +49 2330 63 100 243

**Further information obtainable from:** msds.coatings@doerken.de**1.4 Emergency telephone number:**

Emergency CONTACT (24-Hour-Number):

GBK GmbH +49 (0)6132-84463

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

corrosion

Eye Dam. 1      H318 Causes serious eye damage.

Aquatic Chronic 3      H412 Harmful to aquatic life with long lasting effects.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

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

**Hazard pictograms**

GHS05

**Signal word** Danger

(Contd. on page 2)

GB

# Safety data sheet

according to UK REACH

Printing date 06.02.2025

Version number 03-05 (replaces version 03-04)

Revision: 06.02.2025

Trade name: **LUCITE® 190 2K Epoxy Primer**

(Contd. of page 1)

## Hazard-determining components of labelling:

Polymer of diethylenetriamine, triethylenetetramine, epichlorohydrin, ethylene oxide, bisphenol-A, bisphenol-F, phenol, C12-C14 alkylalcohol

## Hazard statements

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

## Precautionary statements

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection.

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

P310 Immediately call a doctor.

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

## Additional information:

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

## 2.3 Other hazards

### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

CAS: 13463-67-7 EINECS: 236-675-5 Reg.nr.: 01-2119489379-17-xxxx	Titanium dioxide Carc. 2, H351	10-25%
CAS: 1311389-92-0	Polymer of diethylenetriamine, triethylenetetramine, epichlorohydrin, ethylene oxide, bisphenol-A, bisphenol-F, phenol, C12-C14 alkylalcohol Eye Dam. 1, H318	10-25%
CAS: 1314-13-2 EINECS: 215-222-5 Reg.nr.: 01-2119463881-32-xxxx	zinc oxide Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥0.25-<1%
CAS: 24468-28-8 EINECS: 246-279-4	1,3,5-Triazin-2,4,6-(1H,3H,5H)-trion, Zinksalz Aquatic Acute 1, H400; Aquatic Chronic 2, H411	≥0.25-<1%

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

(Contd. on page 3)

**Safety data sheet**

according to UK REACH

Printing date 06.02.2025

Version number 03-05 (replaces version 03-04)

Revision: 06.02.2025

**Trade name: LUCITE® 190 2K Epoxy Primer**

(Contd. of page 2)

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

In all cases of doubt, or when symptoms persist, seek medical advice.

Soiled, soaked clothes immediately take off.

Never give anything by mouth to an unconscious person.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Wash with plenty of soap and water.

**After eye contact:**

Remove contact lenses. Keep eye lids open and rinse plentifully for at least 10 minutes with clean running water. Subsequently consult an ophthalmologist.

Subsequently seek the immediate attention of an ophthalmologist.

**After swallowing:**

Rinse out mouth and then drink plenty of water.

Seek immediate medical advice.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

Symptomatic treatment.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:**

Extinguishing powder, foam, carbon dioxide.

Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

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

Fire will produce dangerous decomposition products like dense, black smoke, carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO) and nitrogen oxides (NO<sub>x</sub>). Inhalation may cause serious health damage.

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

**5.3 Advice for firefighters****Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

(Contd. on page 4)

## Safety data sheet

according to UK REACH

Printing date 06.02.2025

Version number 03-05 (replaces version 03-04)

Revision: 06.02.2025

**Trade name: LUCITE® 190 2K Epoxy Primer**

(Contd. of page 3)

Avoid contact with skin and eyes.

**6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Keep contaminated washing water and dispose of appropriately.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the material collected according to regulations.  
Use neutralising agent.

**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 disposal information.

### SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

Avoid prolonged, intensive skin contact and contact with the eyes.  
Avoid the handling of incompatible substances and mixtures. Incompatible substances: see section 10.5

**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**

Make sure spills can be contained, e.g. in sump pallets.  
Protect from frost, heat and direct sunlight. Keep tightly closed, cool and dry.

**Information about storage in one common storage facility:** Store away from foodstuffs.**Further information about storage conditions:** None.**7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:** No data.**Additional information:** The lists valid during the making were used as basis.**8.2 Exposure controls** Provide good ventilation and/or an exhaust system in the work area.**Appropriate engineering controls**

Ensure a good ventilation. This can be achieved by local exhaustion or general exhaust air.

**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.  
Immediately remove all soiled and contaminated clothing  
Do not eat, drink, smoke or sniff while working.

(Contd. on page 5)

**Safety data sheet**

according to UK REACH

Printing date 06.02.2025

Version number 03-05 (replaces version 03-04)

Revision: 06.02.2025

**Trade name: LUCITE® 190 2K Epoxy Primer**

(Contd. of page 4)

Use skin protection cream for skin protection.

**Respiratory protection:**Breathing protection is always required when spraying.  
Use combination filter A2(-P2) according to EN 14387.**Hand protection**

Work with gloves. Gloves must be inspected for damage before use. Defective or damaged gloves must not be used. Gloves must satisfy the specifications of EC directive 89/686/EWG and standard EN 374.

**Material of gloves**

Nitrile rubber

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**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/face protection**Tightly sealed safety goggles are to be worn during all work, in accordance with EN 166.  
Have eye wash bottle or eye rinse ready at work place.**Body protection:** Impervious protective clothing**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information**

<b>Physical state</b>	Fluid
<b>Colour:</b>	Different according to colouring
<b>Odour:</b>	Weak after glycol ethers
<b>Odour threshold:</b>	Not applicable for mixtures.
<b>Melting point/Freezing point:</b>	Not security-related.
<b>Boiling point or initial boiling point and boiling range</b>	100 °C (7732-18-5 water)
<b>Flammability</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	Not applicable.
<b>Auto-ignition temperature:</b>	Not applicable.
<b>Decomposition temperature:</b>	For mixtures not applicable.
<b>pH at 20 °C</b>	10-11
<b>Viscosity:</b>	Not security-related.

(Contd. on page 6)

**Safety data sheet**

according to UK REACH

Printing date 06.02.2025

Version number 03-05 (replaces version 03-04)

Revision: 06.02.2025

**Trade name: LUCITE® 190 2K Epoxy Primer**

(Contd. of page 5)

**Solubility**

<b>water:</b>	Miscible / waterdilutable.
<b>polar solvents:</b>	Partly miscible.
<b>non-polar solvents:</b>	Not miscible or difficult to mix.
<b>Partition coefficient n-octanol/water (log value)</b>	For mixtures not applicable.
<b>Vapour pressure at 20 °C:</b>	23 hPa (7732-18-5 water)
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	1.52-1.58 g/cm <sup>3</sup>
<b>Vapour density</b>	Not applicable.

**9.2 Other information****Appearance:****Form:** Fluid**Important information on protection of health and environment, and on safety.****Ignition temperature:** Product is not selfigniting.**Explosive properties:** Product does not present an explosion hazard.**Change in condition****Softening point/range****Oxidising properties** In its condition as supplied, the product is neither flammable nor oxidising.**Evaporation rate** For mixtures not applicable.**Information with regard to physical hazard****classes**

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

GB

(Contd. on page 7)

# Safety data sheet

according to UK REACH

Printing date 06.02.2025

Version number 03-05 (replaces version 03-04)

Revision: 06.02.2025

Trade name: **LUCITE® 190 2K Epoxy Primer**

(Contd. of page 6)

## SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability** Product is stable under normal storage conditions.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** strong oxidizing agents

**10.6 Hazardous decomposition products:**

In case of fire arise: smoke and carbon oxides. Under certain fire conditions tracks of other toxic products can not be excluded.

## SECTION 11: Toxicological information

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values relevant for classification:**

The quoted data are literature values and/or manufacturer/supplier data.

**Specific symptoms in biological assay:**

**Skin corrosion/irritation** May cause irritations.

**Serious eye damage/irritation** Causes serious eye damage.

**Additional toxicological information:**

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

The product is not classified as carcinogenic, mutagenic or toxic to reproduction (CMR properties).

**11.2 Information on other hazards**

### Endocrine disrupting properties

540-97-6	Dodecamethylcyclhexasiloxane	List II
556-67-2	octamethylcyclotetrasiloxane	List II; III
541-02-6	Decamethylcyclopentasiloxane	List II

## SECTION 12: Ecological information

**12.1 Toxicity**

**Aquatic toxicity:**

Harmful to aquatic life with long lasting effects.

### 1314-13-2 zinc oxide

EC <sub>50</sub> / 48 h	0.17 mg/l (daphnia)
LC <sub>50</sub> / 96 h	0.14 mg/l (Oncorhynchus mykiss (rainbow trout))
IC <sub>50</sub> / 72 h	0.17 mg/l (algae) literature

**12.2 Persistence and degradability** No further relevant information available.

(Contd. on page 8)

**Safety data sheet**

according to UK REACH

Printing date 06.02.2025

Version number 03-05 (replaces version 03-04)

Revision: 06.02.2025

**Trade name: LUCITE® 190 2K Epoxy Primer**

(Contd. of page 7)

**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment**

This product does not contain relevant substances that have been assessed as persistent, bioaccumulative and toxic (PBT) or as very persistent and very bioaccumulative (vPvB).

**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.**12.7 Other adverse effects****Other information:****General notes:** Do not allow product to reach ground water, water course or sewage system.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

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

Must be specially treated adhering to official regulations.

**SECTION 14: Transport information****14.1 UN number or ID number**

ADR, ADN, IMDG, IATA

Void

**14.2 UN proper shipping name**

ADR, ADN, IMDG, IATA

Void

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA

Class

Void

**14.4 Packing group**

ADR, IMDG, IATA

Void

**14.5 Environmental hazards:**

Not applicable.

**14.6 Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

**UN "Model Regulation":**

Void

GB

(Contd. on page 9)



**Safety data sheet**

according to UK REACH

Printing date 06.02.2025

Version number 03-05 (replaces version 03-04)

Revision: 06.02.2025

**Trade name: LUCITE® 190 2K Epoxy Primer**

(Contd. of page 8)

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
Poisons Act****Regulated explosives precursors**

None of the ingredients is listed.

**Regulated poisons**

None of the ingredients is listed.

**Reportable explosives precursors**

None of the ingredients is listed.

**Reportable poisons**

None of the ingredients is listed.

**Directive 2012/18/EU****Named dangerous substances - ANNEX I** None of the ingredients is listed.**National regulations:****Information about limitation of use:**

Observe employment restrictions concerning young persons.

Observe employment restrictions for expectant or nursing mothers.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The given conditions of work of the user extract themselves from our knowledge and control. The product/the preparation may be used without written permission for no other use, than the mentioned intended purpose. The user is responsible for the observance of all necessary legal instructions.

This Safety Data Sheet replaces all previous versions. With the newest version in each case, the preceding Safety Data Sheets are set out of strength.

For further information please consult the "Technical Data Sheet".  
Misuse may cause damage to health and environment.

**Wording of H and EUH phrases (number and full text)**

H318 Causes serious eye damage.

H351 Suspected of causing cancer.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

**Abbreviations and acronyms:**

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Carc. 2: Carcinogenicity – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

(Contd. on page 10)

## Safety data sheet

according to UK REACH

Printing date 06.02.2025

Version number 03-05 (replaces version 03-04)

Revision: 06.02.2025

**Trade name: LUCITE® 190 2K Epoxy Primer**

(Contd. of page 9)

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

### Sources

- Regulation 1907/2006/EC (UK REACH-Regulation)

- Regulation 1272/2008/EC (GB CLP-Regulation)

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