

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.10.2025

Version number 04-00 (replaces version 03-06)

Revision: 23.10.2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**Trade name: **LUCITE® 166 ThermGloss****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**

The product is not classified, according to the CLP regulation.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**Precautionary statements**

P280 Wear protective gloves.

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

Additional information:

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, Adipic acid dihydrazide. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.

(Contd. on page 2)

DE/EN

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.10.2025

Version number 04-00 (replaces version 03-06)

Revision: 23.10.2025

Trade name: **LUCITE® 166 ThermGloss**

vPvB: Not applicable.

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 90093-37-1	2,4,6-tris(1-phenylethyl)polyoxyethylenated phosphates Alternative CAS number: 114535-82-9 Eye Irrit. 2, H319	≥0-<2.5%
EC number: 907-437-4 Reg.nr.: 01-2119535294-40-xxxx	Reaction mass of 2-[2-(benzoyloxy)ethoxy]ethyl benzoate and oxydipropyl dibenzoate Aquatic Chronic 2, H411	≥0.25-<2.5%
CAS: 1071-93-8 EINECS: 213-999-5 Reg.nr.: 01-2119962900-36-xxxx	Adipic acid dihydrazide Aquatic Chronic 2, H411; Skin Sens. 1, H317	≥0.25-<1%
CAS: 2634-33-5 EINECS: 220-120-9 Reg.nr.: 01-2120761540-60-xxxx	1,2-benzisothiazol-3(2H)-one Acute Tox. 2, H330; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317 ATE: LD ₅₀ oral: 450 mg/kg LC ₅₀ / 4 h inhalative: 0.21 mg/l Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.036 %	<0.025%

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

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.

In case of skin reactions consult a physician. Do not scratch.

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.

In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing:

Rinse out mouth and then drink plenty of water.

Seek immediate medical advice.

(Contd. on page 3)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.10.2025

Version number 04-00 (replaces version 03-06)

Revision: 23.10.2025

Trade name: LUCITE® 166 ThermGloss

(Contd. of page 2)

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**

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 (CO₂), carbon monoxide (CO) and nitrogen oxides (NO_x). 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.

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.

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.

DE/EN

(Contd. on page 4)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.10.2025

Version number 04-00 (replaces version 03-06)

Revision: 23.10.2025

Trade name: **LUCITE® 166 ThermGloss**

(Contd. of page 3)

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

Information about fire - and explosion protection: No special measures required.**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:

Note the rules for common storage in accordance with TRGS 510 - "Storage of hazardous substances in transportable containers".

Store away from foodstuffs.

Further information about storage conditions: None.**Storage class:** 12**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.

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**Material of gloves**

Nitrile rubber

Recommended thickness of the material: 0,06 mm

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

(Contd. on page 5)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.10.2025

Version number 04-00 (replaces version 03-06)

Revision: 23.10.2025

Trade name: LUCITE® 166 ThermGloss

(Contd. of page 4)

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

> 480 minutes

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

Wear protective goggles to protect against splashing.

Professional Cooperative Rules - BGR 192 Use of eye and face protection

Body protection: Impervious protective clothing**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Physical state**

Liquid

Colour:

White

Odour:

Low odour

Odour threshold:

Not applicable for mixtures.

Melting point/Freezing point:

Not security-related.

Boiling point or initial boiling point and boiling range

100 °C (7732-18-5 water)

Flammability

Not applicable.

Lower and upper explosion limit**Lower:**

Not determined.

Upper:

Not determined.

Flash point:

Not applicable.

Auto-ignition temperature:

Not applicable.

Decomposition temperature:

For mixtures not applicable.

pH at 20 °C

8-9

Viscosity:

Not security-related.

Solubility**water:**

Miscible / waterdilutable.

polar solvents:

Partly miscible.

non-polar solvents:

Not miscible or difficult to mix.

Partition coefficient n-octanol/water (log value)

For mixtures not applicable.

Vapour pressure at 20 °C:

23 hPa (7732-18-5 water)

Density and/or relative density**Density at 20 °C:**1.2-1.26 g/cm³**Vapour density**

Not applicable.

(Contd. on page 6)

DE/EN

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.10.2025

Version number 04-00 (replaces version 03-06)

Revision: 23.10.2025

Trade name: LUCITE® 166 ThermGloss

(Contd. of page 5)

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

(Contd. on page 7)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.10.2025

Version number 04-00 (replaces version 03-06)

Revision: 23.10.2025

Trade name: **LUCITE® 166 ThermGloss**

(Contd. of page 6)

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

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

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

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

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

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Reaction mass of 2-[2-(benzoyloxy)ethoxy]ethyl benzoate and oxydipropyl dibenzoate

NOEC / 21 d 1.6 mg/l (Daphnia magna (big water flea)) (Reproduction test)

NOEC / 28 d 0.056 mg/l (Pimephales promelas (fathead minnow)) (Early-Life Stage Toxicity Test)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

(Contd. on page 8)

according to Regulation (EC) No 1907/2006, Article 31

Revision: 23.10.2025

(Contd. of page 7)

12.7 Other adverse effects No further relevant information available.

08 01 12	waste paint and varnish other than those mentioned in 08 01 11
----------	--

UN "Model Regulation":	Void
------------------------	------

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.10.2025

Version number 04-00 (replaces version 03-06)

Revision: 23.10.2025

Trade name: LUCITE® 166 ThermGloss

(Contd. of page 8)

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Directive 2012/18/EU****Named dangerous substances - ANNEX I** None of the ingredients is listed.**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

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.

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.**Labelling according to Regulation (EC) No 2004/42**

VOC limit according to 2004/42/EC for category d (WB) and maximum VOC content: see lid.

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.

(Contd. on page 10)

DE/EN

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.10.2025

Version number 04-00 (replaces version 03-06)

Revision: 23.10.2025

Trade name: LUCITE® 166 ThermGloss

(Contd. of page 9)

Labelling according to regulation (EC) No 528/2012**Additional information:**

Contains protective agent for products in storage.

Contains 1,2-benzisothiazol-3(2H)-one, Adipic acid dihydrazide. May produce an allergic reaction.

Safety data sheet available on request.

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

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

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.

Date of previous version: 06.03.2025**Version number of previous version:** 03-06**Abbreviations and acronyms:**

ATE: Acute toxicity estimate values

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

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

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

Sources

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

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

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