

Safety data sheet

according to GB/T 16483-2008, GB/T 17519-2013

Printing date 23.01.2024

Version number 04-03

Revision: 23.01.2024

1 Identification of the substance/mixture and of the company/undertaking

Product identifier**Trade name:** LUCITE® 124 1K-PU Color Satin**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.

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**Emergency telephone number:** +86 532 8388 9090

2 Hazards identification

Classification of the substance or mixture

The product is not classified, according to the Globally Harmonised System (GHS).

Label elements**GHS label elements** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

3 Composition/information on ingredients

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

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Dangerous components:		
29911-28-2	dipropylene glycol butyl ether Acute Tox. 5, H303; Acute Tox. 5, H313	<5%
34590-94-8	Dipropylene glycol monomethyl ether Flam. Liq. 4, H227	<2.5%
77-99-6	propylidynetrimehanol Repr. 2, H361	<0.25%
55965-84-9	mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317 Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	≥0.00025-<0.0015%

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

4 First aid measures

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.

Information for doctor:

Most important symptoms and effects, both acute and delayed Allergic reactions

Indication of any immediate medical attention and special treatment needed Symptomatic treatment.

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5 Firefighting measures

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**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.

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.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Avoid contact with skin and eyes.

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.

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.

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.

7 Handling and storage

Handling:**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

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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.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities:

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

Control parameters

Ingredients with limit values that require monitoring at the workplace:

34590-94-8 Dipropylene glycol monomethyl ether

OEL (China)	Short-term value: 900 mg/m ³ Long-term value: 600 mg/m ³ 皮
PEL (Taiwan)	Long-term value: 606 mg/m ³ , 100 ppm

Regulatory information

OEL (China): 工作场所所有有害因素职业接触限值

PEL (Taiwan): 勞工作業場所容許暴露標準

Additional information: The lists valid during the making were used as basis.

Exposure controls Provide good ventilation and/or an exhaust system in the work area.

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.

Protection of hands:

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.

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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: Wear protective goggles to protect against splashing.

Body protection: Impervious protective clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	Different according to colouring

Odour: Weak after glycol ethers

Odour threshold: For mixtures not applicable.

pH-value at 20 °C: 7.5-9

Change in condition

Melting point/Freezing point: Not security-related.
Initial boiling point and boiling range: 100 °C

Flash point: Not applicable.

Flammability (solid, gas): Not applicable.

Auto-ignition temperature: Not applicable.

Decomposition temperature: For mixtures not applicable.

Ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.
Upper: Not determined.

Oxidising properties In its condition as supplied, the product is neither flammable nor oxidising.

Vapour pressure at 20 °C: 23 hPa

Density at 20 °C: 1.02-1.29 g/cm³

Vapour density Not applicable.

Evaporation rate For mixtures not applicable.

Solubility in / Miscibility with water:

Miscible / waterdilutable.

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polar solvents:	Partly miscible.
non-polar solvents:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	For mixtures not applicable.
Viscosity:	Not security-related.
Other information	No further relevant information available.

10 Stability and reactivity

Reactivity No further relevant information available.

Chemical stability Product is stable under normal storage conditions.

Possibility of hazardous reactions

No dangerous reactions known.

No dangerous reactions are known.

Conditions to avoid No further relevant information available.

Incompatible materials: strong oxidizing agents

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.

11 Toxicological information

Information on toxicological effects

Acute toxicity

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 No irritant effect.

Serious eye damage/irritation No irritating effect.

Respiratory or skin sensitisation No sensitising effects known.

Additional toxicological information: Carcinogenic.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

Aspiration hazard

The mixture contains no or only small amounts of materials which are classified as an aspiration hazard. It can therefore be assumed that the mixture is not an aspiration hazard.

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12 Ecological information

Toxicity

Aquatic toxicity: There are no statements/information available of the preparation.

Persistence and degradability No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

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.

Other adverse effects No further relevant information available.

13 Disposal considerations

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.

14 Transport information

UN-Number ADR, ADN, IMDG, IATA	Void
UN proper shipping name ADR, ADN, IMDG, IATA	Void
Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Void
Packing group ADR, IMDG, IATA	Void
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.

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UN "Model Regulation":

Void

15 Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****GHS label elements** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**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.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**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.

Contact:**Abbreviations and acronyms:**

Flam. Liq. 4: Flammable liquids – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 5: Acute toxicity – Category 5

Acute Tox. 2: Acute toxicity – Category 2

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

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

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

Repr. 2: Reproductive toxicity – Category 2

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

Sources

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

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

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