

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EC) No. 2015/830

Print date: 09.04.2018
Revision date: 09.04.2018
Valid from: 09.04.2018
Version: 3

Replace version: 2

KAIFINSH® Color

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

1.1 Product identifier

Substances / Trade name / designation: Kaifinish Color (various colors).

Index No.: Not applicable.

EC No.: Not applicable.

CAS No.: Not applicable.

REACH Registration No.: Not applicable.

Other means of identification: Kaifinish Color, Kaifinish Coatings.

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

Relevant identified uses:

Industrial coatings.

Uses advised against:

Not applicable.

1.3 Details of the supplier of the safety data sheet

Supplier

Kaimann GmbH

Address

Hansastraße 2-5

D-33161 Hövelhof

Information contact

Kaimann GmbH - Technik

Phone / Fax / E-Mail

+49 (0) 5257-9850-0 / +49 (0) 5257-9850-590 / E-Mail: msds@kaimann.de

1.4 Emergency telephone number

Advice Center for Poison Symptoms and Embryo Toxicology (Emergency Phone Line Berlin / Giftnotruf Berlin)

Tel.: +49 (0) 30 -1 92 40 · www.giftnotruf.de

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].

2.2 Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:

not applicable.

Hazard statements:

not applicable.

Signal word:

not applicable.

Hazard statements:

not applicable.

Precautionary statements:

not applicable.

Contains:

not applicable.

Supplemental hazard information (EU)

EUH208

Contains 1,2-Benzisothiazol-3(2H)-on. May produce an allergic reaction.

EUH210

Safety data sheet available on request.

SECTION 3: Composition / information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Product description / chemical characterization

Description: Dispersion.

Hazardous ingredients

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not applicable.

Additional information:

Full text of classification: see 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. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

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In case of inhalation:

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact:

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion:

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Mammalian cells (with metabolic activation)

No data available.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: alcohol resistant foam, carbon dioxide, powder, spray mist, (water).

Extinguishing media which must not be used for safety reasons: strong water jet.

5.2 Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3 Advice for firefighters

Provide a conveniently located respiratory protective device.

Additional information

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulation.

6.3 Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

6.4 Reference to other sections

Observe protective provisions (see chapter 7 and 8).

SECTION 7: Handling and storage

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7.1 Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation.

Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Precautions against fire and explosion

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 10 °C and 30 °C. Protect from heat and direct sunlight.

Due to the content of organic solvents in the preparation:

Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3 Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

Not applicable.

8.2 Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Occupational exposure controls

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection

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For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)
Thickness of the glove material > 0.4 mm; Breakthrough time (maximum wearing time) > 480 min. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374.
Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:
Physical state: liquid
Colour: refer to label
Odour: characteristic
Odour threshold: not applicable
pH at 20 °C: not applicable
Melting point/freezing point: -50 °C
Source: Polymer
Initial boiling point and boiling range: not applicable
Flash point: not applicable
Evaporation rate: not applicable
Flammability (solid, gas):
Burning time (s): not applicable
Upper/lower flammability or explosive limits:
Lower explosion limit: 0.8 Vol-%
Upper explosion limit: not applicable
Vapour pressure at 20 °C: 11,2665 mbar
Vapour density: not applicable
Relative density:
Density at 20 °C: 1.26 g/cm³
Method: ISO 2811, part 1
Solubility(ies):
Water solubility (g/L) at 20 °C: partially soluble
Partition coefficient: n-octanol/water: see section 12
Auto-ignition temperature: not applicable
Decomposition temperature: not applicable
Viscosity at 20 °C: 3050cP SP. 6/ 100RPM
Explosive properties: not applicable
Oxidising properties: not applicable

9.2 Other information

Solid content (%): 50.70 Wt %
Solvent content:
Organic solvents: 0 Wt %

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The information supplied on this safety data sheet complies with our current level of knowledge and is not to be regarded as guaranteed attributes of the product.

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Water: 49 Wt %

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3 Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4 Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

Classification according to Regulation (EC) No. 1272/2008 [CLP]
No data on preparation itself available.

11.1 Information on toxicological effects

Acute toxicity

Toxicological data are not available.

Skin corrosion/irritation; Serious eye damage/eye irritation

Toxicological data are not available.

Respiratory or skin sensitisation

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Toxicological data are not available.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

Toxicological data are not available.

Practical experience/human evidence

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Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system.

Indications for this are:

headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

Overall evaluation

Classification according to Regulation (EC) No. 1272/2008 [CLP]

There is no information available on the preparation itself.

Do not allow to enter into surface water or drains.

12.1 Toxicity

No information available.

Long-term Ecotoxicity

Toxicological data are not available.

12.2 Persistence and degradability

Toxicological data are not available.

12.3 Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4 Mobility in soil

Toxicological data are not available.

12.5 Results of PBT assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080111: waste paint and varnish containing organic solvents or other dangerous substances.

Packaging Recommendation

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Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1 UN number

not applicable.

14.2 UN proper shipping name

not applicable.

14.3 Transport hazard class(es)

not applicable.

14.4 Packing group

not applicable.

14.5 Environmental hazards

Land transport (ADR/RID)

not applicable.

Marine pollutant

not applicable.

14.6 Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 – 8.

Additional information

Land transport (ADR/RID)

tunnel restriction code

-

Sea transport (IMDG)

EmS-No.:

not applicable.

Additional information

Land transport (ADR/RID)

tunnel restriction code

Sea transport (IMDG)

EmS-No. not applicable.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Directive 2010/75/EU on industrial emissions

VOC-value (in g/L):

2

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

VOC product category: (Cat. A/i); VOC limit value:

130 g/l

Maximum VOC content (g/L) of the product in a ready to use

2

condition:

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the "juvenile work protection guideline" (94/33/EC).

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Other regulations, restrictions and prohibition regulations

Other information
Additional information
0
VOC Switzerland (weight fraction in %): 0

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

SECTION 16: Other information

16.1 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)
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
BCF: Biological Concentration Factor
CAS: Chemical Abstracts Service (division of the American Chemical Society)
CMR: Cancerogenic-mutagenic-reproductive toxic
DNEL: Derived No-Effect Level
EAK: Europäischer Abfallkatalog
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
Eye Irrit.: Serious eye damage/eye irritation
Flam. Liq.: Flammable liquids
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IMDG: International Maritime Code for Dangerous Goods
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOEC: No Observed Effect Concentration
NOEL: No Observed Effect Level
OEL: Occupational Exposure Limits
PBT: Persistent, bioaccumulative, toxic
PNEC: Predicted No-Effect Concentration (REACH)
Repr.: Reproductive toxicity
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
Skin Irrit.: Skin corrosion/irritation
Skin Sens.: Sensitisation – Skin
STOT: Specific target organ toxicity
STOT SE: Specific target organ toxicity - Single exposure
STOT RE: Specific target organ toxicity - Repeated exposure
SVHC: Substance of Very High Concern
vPvB: very Persistent, very Bioaccumulative

16.2 Full text of classification in section 3

Not applicable.

Additional information

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The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.
