

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

HIST Kristallin-Fixativ 10 LT

Version 10

Revision Date 26.09.2011

Print Date 26.09.2011

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : HIST Kristallin-Fixativ
Registration number :

Company : Caparol Farben Lacke Bautenschutz GmbH
Rößdörfer Straße 50
64372 Ober-Ramstadt

Telephone : +496154710
Telefax : +49615471222

Responsible Department

Emergency telephone number /
E-mail address : 0049(0)6154/71-202
sds@daw.de

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.
Keep out of reach from children. Use P2 dust filter for grinding. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the paint. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water.

Due to its potassium silicate content, the reaction of silicate based coatings is highly alkaline. Hence protect skin and eyes from paint.

The areas adjoining the surface to be coated must be carefully masked, in particular glass, ceramics, enamel/varnish coating, clinkers, natural stones, wood and metals. Wash splashes immediately and completely with plenty of clean water.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

4. FIRST AID MEASURES

General advice : Move out of dangerous area.
No hazards which require special first aid measures.

Inhalation : No information available.

Skin contact : Take off all contaminated clothing immediately.
Wash skin thoroughly with soap and water or use recognized skin cleanser.
Do NOT use solvents or thinners.

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- Eye contact : Remove contact lenses.
Immediately flush eyes for at least 15 minutes. Get medical attention.
- Ingestion : If swallowed, DO NOT induce vomiting.
If accidentally swallowed obtain immediate medical attention.
Clean mouth with water and drink afterwards plenty of water.
Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Exposure to decomposition products may be a hazard to health.
Cool closed containers exposed to fire with water spray.
Do not allow run-off from fire fighting to enter drains or water courses.
- Special protective equipment for fire-fighters : Wear self contained breathing apparatus for fire fighting if necessary.
- Further information : The product itself does not burn.
Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not let product enter drains.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Suitable cleaning agents
Keep in suitable, closed containers for disposal.
- Additional advice : Treat recovered material as described in the section "Disposal considerations".

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7. HANDLING AND STORAGE

Handling

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
not required under normal use

Storage

Requirements for storage areas and containers : Store at room temperature in the original container.
Keep in a well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
To maintain product quality, do not store in heat or direct sunlight.
Observe label precautions.

Advice on common storage : Keep away from oxidising agents and strongly acid or alkaline materials.

German storage class : Non Combustible Liquids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : For prolonged or repeated contact use protective gloves.
German trade association leaflet: Carry gloves (ZH 1/706)
German trade association leaflet: A 023 Hand and skin protection

Eye protection : Safety glasses
German trade association rules - BGR 192 Eye protection

Skin and body protection : Protective suit

Hygiene measures : Ensure adequate ventilation, especially in confined areas.
Avoid contact with the skin and the eyes.
Wash hands before eating, drinking, or smoking.

Protective measures : No special protective equipment required.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state : liquid
Odour : characteristic

Safety data

Flash point : Note: not applicable
pH : 11,0
Boiling point/boiling range : 100 °C
Density : Note: no data available
Water solubility : Note: soluble
Flow time : 11,0 s
4 mm
Method: DIN 53211

10. STABILITY AND REACTIVITY

Conditions to avoid : Protect from frost, heat and sunlight.
Materials to avoid : Incompatible with oxidizing agents.
Incompatible with acids and bases.
Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:
Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.
Thermal decomposition : Note: no data available
Hazardous reactions : Note: No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : Remarks: no data available
Acute inhalation toxicity :
Remarks: no data available

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Acute dermal toxicity	:	Remarks: no data available
Skin irritation	:	Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.
Eye irritation	:	Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.
Sensitisation	:	Remarks: no data available
Further information	:	There is no data available for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish	:	Remarks: no data available
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Toxicity to daphnia and other aquatic invertebrates.	:	Remarks: no data available
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Further information on ecology

Additional ecological information	:	There is no data available for this product.
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13. DISPOSAL CONSIDERATIONS

Product	:	The product should not be allowed to enter drains, water courses or the soil. Disposal together with normal waste is not allowed. Special disposal required according to local regulations.
European Waste Catalogue	:	080112 waste paint and varnish other than those mentioned in 08 01 11
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal.

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14. TRANSPORT INFORMATION

ADR

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives**1999/45/EC**

Further information : The product does not need to be labelled in accordance with EC directives or respective national laws.

National legislation

Water contaminating class : 1 slightly water endangering
(Germany)

Product code for laquers and : M-SK01 1K-Silicate paints
paints / Giscode

16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

REACH and GHS/CLP Information

According to our legal obligations we will implement the Regulation (EC) No 1907/2006 concerning the

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Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and GHS respectively the Regulation (EC) No 1272/2008). REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly. This will be put into practice depending on the register-deadline of the substances involved during the transition period from December 1, 2010 till May 31, 2018.

The amendment of safety data sheets of mixtures or preparations in accordance with GHS /CLP regulation will be carried out during a transitional period until June 1, 2015. We will conduct the adjustment of our safety data sheets during the time frame of the transitional period as soon as new information is available from our suppliers.