

Material Safety Data Sheet (91/155/EWG)

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Date of issue: January 18, 2002

Trade Name: LUKAS Fixativ Ia, article no. 2232

1. Identification of the substance, preparation and the company:

Trade Name: LUKAS fixative Ia, article no. 2232

Manufacturers Name: LUKAS Künstlerfarben & Maltuchfabrik,
Dr. Fr. Schoenfeld GmbH & Co.

Manufacturers Address: Harffstr. 40
40591 Düsseldorf - Germany

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fax: ++49-211-781329

Emergency Phone: ++49-211-781340 (LUKAS laboratory)

2. Composition / Information on Ingredient:

	Content (%)	CAS-No.	Symbol	Risk-phrases	Substance
(1)	5 – 10	71-36-3	Xn	10, 20	1-butanol
(2)	80 – 85	64-17-5	F	11	ethanol

additional information regarding the chemical: solution of cyclohexanone resin in solvents

3. Health Hazard Data:

Xn Harmful

R 11: highly Flammable.

4. First Aid Measures:

In general: Remove all contaminated clothing immediately.

Inhalation: Move to a well ventilated area. If unconscious, seek medical attention.

Skin Contact: Wash skin with soap and water for 5 minutes. Seek medical attention if skin-irritation persists.

Eye Contact: Remove all eyewear. Rinse eyes thoroughly (5 – 10 minutes) with water. Seek medical attention if irritation develops.

Ingestion: If swallowed, do not induce vomiting. Call a physician or poison control center immediately. Get prompt medical attention. If symptoms occur, move to fresh air. If symptoms persist, see a physician.

5. Fire Fighting Measures:

Extinguishing Media: water fog, water mist.

Not recommended for security reasons: full power water jet, CO₂.

Particular danger caused by material, its combustion products or gases: may form explosive gas air mixture.

Proper Protective Equipment: protective clothing and a self-contained breathing apparatus.

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6. Accidental Release Measures

Air: not applicable
Water: Avoid entry into water and sewage systems. Pay attention to local official rules.
Contain contaminated extinguished water.
Ground: Pick up product with liquid-binding material (sand, acid-binder, universal-binder, sawdust)

Contaminated material should be disposed as mentioned under point 13. Ensure good ventilation.

7. Handling and Storage

7.1 Handling: Handling as usual for working with chemicals:
Keep away from food and drinks.
When using do not eat, drink or smoke.
Avoid open fire as product is flammable.
Avoid skin contact.
Wash hands immediately after use.
Avoid ingestion.
Avoid breathing vapors.
Keep away from eyes.
When using wear impermeable protective gloves.
Do not store or use near heat or flame.
Use exhaust fan to admire adequate cross ventilation.

7.2 Storage: Store in a cool area and avoid direct sunlight.
Avoid release to the environment.
Keep out of reach of children.
Storage class: VbF: B

8. Exposure Controls / Personal Protection

8.1 Additional hints to the formation of technical installations: Use only in well ventilated areas.

8.2 Components with work-place related limits to be monitored:
See name and CAS no. under point 2.

No.	Type	Value	Unit
(1)	MAK	100	ml/m ³ (ppm)
(2)	MAK	1000	ml/m ³ (ppm)

9. Physical and Chemical Properties

Form: liquid
Colour: colourless
Odour: characteristic
pH value: not applicable
Boiling Point: 78 °C (solvent)
Flash Point: approx. 11,5 °C
Ignition Temperature: 425 °C
Explosion Limits: lower explosion limit (%): 3,5 %
upper explosion limit (%): 15,0 %
Density: 0,83 g/ml (20 °C)
Solubility in Water: not applicable

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10. Stability and Reactivity

Conditions to avoid: No decomposition when stored and handled correctly.
Dangerous reactions: May cause with air an explosive steam-air-mixture.
Strong reaction with: Strong oxidizing agents.

11. Toxicological Information

There are no data available on the preparation itself.

Skin effects: irritating; can cause dry skin.
Eye Effects: weak irritation to eyes.
Sensitisation: weak sensitising effect.

12. Ecological Information

There are no data available on the preparation itself.

General hint: The product should not be allowed to enter drains or water courses.
Water hazard classes (German regulation) 1 (self-assessment): slightly hazardous for water.
Avoid entry into water, ground and sewage systems.

13. Disposal Considerations

Pick up spilled quantities with universal-binder (kieselguhr) or sand. Dispose of this material and its container at hazardous or special waste collection points. Do not dispose with household waste. Avoid entry into sewage system.

14. Transport Information:

14.1 Road Transportation:

Class/Cipher/Letter: class 3, cipher 3 b
IMDG: UN number: 1170
Danger Activator: alcohol

14.2 Inland Navigation Transportation:

Class/Cipher/Letter:

14.3 Ocean Navigation Transportation:

Class: class 3.3, page 3219
IMDG: packing group: II
EMS-number: 3-06
MFAG: 305

14.4 Air Transportation:

Class: class 3

14.5 Additional Comments:

Correct technical name: alcoholic solution

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15. Regulatory Information:

Danger Description: F Highly flammable

Product includes: alcohol

Risk-Phrases:

R 11: highly flammable

Additional details: packing with child-safety-stopper

16. Other Information

The purpose of this Safety Data Sheet is to describe our product with respect to possible safety issues and requirements. All data presented has been prepared using our most recent knowledge and experience, and is not meant to be a guarantee of the products' properties.