

**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**



**Trade name :** Lascaux Fixative spray can (2070-100)  
**Revision date :** 09.02.2017 **Version (Revision) :** 7.0.1 (7.0.0)  
**Print date :** 29.05.2017

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

**1.1 Product identifier**

Lascaux Fixative spray can (2070-100)

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

**Relevant identified uses**

Acrylic Fixative Spray

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer / Supplier :**

Lascaux Colours & Restauro, Barbara Diethelm AG

**Street :**

Zürichstrasse 42

**Postal code/city :**

CH-8306 Brüttisellen

**Telephone :**

+41 44 807 41 41

**Telefax :**

+41 44 807 41 40

**Information contact :**

info@lascaux.ch

**European address :**

Lascaux Colours & Restauro Europe GmbH

**Street :**

Turmstrasse 11

**Postal code/city :**

D-78467 Konstanz

**Telephone :**

+49 7531 911 3996

**Telefax :**

+49 7531 911 3997

**Information contact :**

info@lascaux.de

**1.4 Emergency telephone number**

Tox Info Suisse, 24-h-emergency number 145, Tel. +41 44 251 51 51

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

STOT SE 3 ; H336 - STOT-single exposure : Category 3 ; May cause drowsiness or dizziness.

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Aerosol 1 ; H222 - Aerosols : Category 1 ; Extremely flammable aerosol.

Aerosol 1 ; H229 - Aerosols : Category 1 ; Pressurised container: May burst if heated.

**2.2 Label elements**

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

**Hazard pictograms**



Flame (GHS02) · Exclamation mark (GHS07)

**Signal word**

Danger

**Hazard components for labelling**

PROPAN-2-OL ; CAS No. : 67-63-0

**Hazard statements**

H222 Extremely flammable aerosol.

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H229 Pressurised container: May burst if heated.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.

### Precautionary statements

P102 Keep out of reach of children.  
 P101 If medical advice is needed, have product container or label at hand.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211 Do not spray on an open flame or other ignition source.  
 P251 Do not pierce or burn, even after use.  
 P261 Avoid breathing aerosol.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear eye protection/face protection.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P405 Store locked up.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
 P501 Dispose of contents/container to an authorised waste collection point.

### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

PROPANE ; EC No. : 200-827-9; CAS No. : 74-98-6

Weight fraction :  $\geq 5 - < 15$  %  
 Classification 1272/2008 [CLP] : Flam. Gas 1 ; H220 Press. Gas (Liq.) ; H280

PROPAN-2-OL ; EC No. : 200-661-7; CAS No. : 67-63-0

Weight fraction :  $\geq 35 - < 40$  %  
 Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

BUTAN ; CAS No. : 106-97-8

Weight fraction :  $\geq 10 - < 15$  %  
 Classification 1272/2008 [CLP] : Flam. Gas 1 ; H220 Press. Gas (Comp.) ; H280

XYLENE ; EC No. : 215-535-7; CAS No. : 1330-20-7

Weight fraction :  $\geq 5 - < 10$  %  
 Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315

DIMETHYL ETHER ; EC No. : 204-065-8; CAS No. : 115-10-6

Weight fraction :  $\geq 5 - < 10$  %  
 Classification 1272/2008 [CLP] : Flam. Gas 1 ; H220 Press. Gas (Liq.) ; H280  
 Substance with a common (EC) occupational exposure limit value.

2-METHOXY-1-METHYLETHYL ACETATE ; EC No. : 203-603-9; CAS No. : 108-65-6

Weight fraction :  $\geq 5 - < 10$  %  
 Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Eye Irrit. 2 ; H319

#### Additional information

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

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**4.1 Description of first aid measures****General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Following inhalation**

Take the casualty into the fresh air and keep warm. Keep at rest. Irregular breathing/no breathing: artificial respiration. Unconsciousness: lateral position - call a physician.

**In case of skin contact**

Immediately remove all contaminated clothing. Wash away with soap and water and rinse. Do NOT use solvents or thinners.

**After eye contact**

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

**After ingestion**

Contact a doctor immediately. Keep at rest. Do not induce vomiting.

**4.2 Most important symptoms and effects, both acute and delayed**

No information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

None

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Alcohol resistant foam, CO<sub>2</sub>, powders, water spray.

**Unsuitable extinguishing media**

Waterjet.

**5.2 Special hazards arising from the substance or mixture**

Fire hazard : Extremely flammable aerosol.

Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

**5.3 Advice for firefighters****Special protective equipment for firefighters**

Appropriate breathing apparatus may be required.

**5.4 Additional information**

Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Remove ignition sources. Provide for sufficient ventilation. Do not inhale the vapour. Refer to protective measures listed in sections 7 and 8.

**6.2 Environmental precautions**

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

**6.3 Methods and material for containment and cleaning up****For cleaning up**

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Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

### 6.4 Reference to other sections

None

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Prevent the creation of inflammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the OEL (=Occupational Exposure Limit). Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid contact with skin and eyes. Do not inhale the vapour. Do not eat or drink during work - no smoking. Comply with the health and safety at work laws. For personal protection see Section 8. Gas mask in case of spray processing.

#### Protective measures

##### Measures to prevent fire

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type.

#### Hints on joint storage

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

Storage class ( D ) : 2B

Storage class (TRGS 510) ( D ) : 2B

#### Further information on storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep away from ignition sources - No smoking. Keep containers dry and cool. Keep containers in a well-ventilated place. Comply with the health and safety at work laws.

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

PROPAN-2-OL ; CAS No. : 67-63-0

Limit value type (country of origin) : MAK ( CH )  
 Limit value : 200 ppm / 500 mg/m<sup>3</sup>  
 Remark : B SSC  
 Version : 01.01.2013

Limit value type (country of origin) : STEL ( CH )  
 Limit value : 400 ppm / 1000 mg/m<sup>3</sup>  
 Remark : B SSC  
 Version : 01.01.2013

Limit value type (country of origin) : TRGS 900 ( D )  
 Limit value : 200 ppm / 500 mg/m<sup>3</sup>

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Peak limitation : 2(II)  
 Remark : Y  
 Version : 04.11.2017

Limit value type (country of origin) : TRGS 903 ( D )  
 Parameter : Acetone / Whole blood (B) / End of exposure or end of shift  
 Limit value : 50 mg/l  
 Version : 31.03.2004

Limit value type (country of origin) : TRGS 903 ( D )  
 Parameter : Acetone / Urine (U) / End of exposure or end of shift  
 Limit value : 50 mg/l  
 Version : 31.03.2004

PROPANE ; CAS No. : 74-98-6  
 Limit value type (country of origin) : MAK ( CH )  
 Limit value : 1000 ppm / 1800 mg/m<sup>3</sup>  
 Version : 01.01.2013

Limit value type (country of origin) : STEL ( CH )  
 Limit value : 4000 ppm / 7200 mg/m<sup>3</sup>  
 Version : 01.01.2013

Limit value type (country of origin) : TRGS 900 ( D )  
 Limit value : 1000 ppm / 1800 mg/m<sup>3</sup>  
 Peak limitation : 4(II)  
 Version : 04.11.2017

XYLENE ; CAS No. : 1330-20-7  
 Limit value type (country of origin) : MAK ( CH )  
 Limit value : 100 ppm / 435 mg/m<sup>3</sup>  
 Remark : H OL# B  
 Version : 01.01.2013

Limit value type (country of origin) : STEL ( CH )  
 Limit value : 200 ppm / 870 mg/m<sup>3</sup>  
 Remark : H OL# B  
 Version : 01.01.2013

Limit value type (country of origin) : TRGS 900 ( D )  
 Limit value : 100 ppm / 440 mg/m<sup>3</sup>  
 Peak limitation : 2(II)  
 Remark : H  
 Version : 02.04.2014

Limit value type (country of origin) : TRGS 903 ( D )  
 Parameter : Xylene / Whole blood (B) / End of exposure or end of shift  
 Limit value : 1,5 mg/l  
 Version : 31.03.2004

Limit value type (country of origin) : TRGS 903 ( D )  
 Parameter : Methylhippuric acid / Urine (U) / End of exposure or end of shift  
 Limit value : 2 g/l  
 Version : 31.03.2004

Limit value type (country of origin) : STEL ( EC )  
 Limit value : 100 ppm / 442 mg/m<sup>3</sup>  
 Remark : H  
 Version : 08.06.2000

Limit value type (country of origin) : TWA ( EC )  
 Limit value : 50 ppm / 221 mg/m<sup>3</sup>  
 Remark : H

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Version : 08.06.2000  
 DIMETHOXYMETHANE ; CAS No. : 109-87-5  
 Limit value type (country of origin) : MAK ( CH )  
 Limit value : 1000 ppm / 3100 mg/m<sup>3</sup>  
 Remark : SSC  
 Version : 01.01.2013  
 Limit value type (country of origin) : STEL ( CH )  
 Limit value : 2000 ppm / 6200 mg/m<sup>3</sup>  
 Remark : SSC  
 Version : 01.01.2013  
 DIMETHYL ETHER ; CAS No. : 115-10-6  
 Limit value type (country of origin) : MAK ( CH )  
 Limit value : 1000 ppm / 1910 mg/m<sup>3</sup>  
 Version : 01.01.2013  
 Limit value type (country of origin) : TRGS 900 ( D )  
 Limit value : 1000 ppm / 1900 mg/m<sup>3</sup>  
 Peak limitation : 8(II)  
 Version : 04.11.2017  
 Limit value type (country of origin) : TWA ( EC )  
 Limit value : 1000 ppm / 1920 mg/m<sup>3</sup>  
 Version : 08.06.2000  
 2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6  
 Limit value type (country of origin) : MAK ( CH )  
 Limit value : 50 ppm / 275 mg/m<sup>3</sup>  
 Remark : SSC  
 Version : 01.01.2013  
 Limit value type (country of origin) : STEL ( CH )  
 Limit value : 50 ppm / 275 mg/m<sup>3</sup>  
 Remark : # SSC  
 Version : 01.01.2013  
 Limit value type (country of origin) : TRGS 900 ( D )  
 Limit value : 50 ppm / 270 mg/m<sup>3</sup>  
 Peak limitation : 1(I)  
 Remark : Y  
 Version : 06.11.2015  
 Limit value type (country of origin) : STEL ( EC )  
 Limit value : 100 ppm / 550 mg/m<sup>3</sup>  
 Remark : H  
 Version : 08.06.2000  
 Limit value type (country of origin) : TWA ( EC )  
 Limit value : 50 ppm / 275 mg/m<sup>3</sup>  
 Remark : H  
 Version : 08.06.2000

## 8.2 Exposure controls

### Personal protection equipment

#### Eye/face protection

Use safety glasses.

#### Skin protection

##### Hand protection

Solvent-resistant protective gloves must be worn. For prolonged or repeated handling, use barrier creams to protect the exposed areas of the skin.

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### Body protection

Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact. After skin contact wash thoroughly with soap and water or use recognised skin cleanser. Do Not use solvents or thinners.

### Respiratory protection

If workplace limits are exceeded, a gas mask approved for this purpose must be worn.

### Occupational exposure controls

#### Technical measures to prevent exposure

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit) , suitable respiratory protection must be worn.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state : Aerosol

Colour : Colourless.

#### Odour

characteristic

#### Safety relevant basis data

Initial boiling point and boiling range :	( 1013 hPa )		not applicable
Flash point :		>	0 °C
Vapour pressure :	( 50 °C )	approx.	3 - 4 hPa
Density :	( 20 °C )	approx.	0,85 g/cm <sup>3</sup>
Viscosity :	( 20 °C )		not applicable

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

No information available.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

### 10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### 10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

## SECTION 11: Toxicological information

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### 11.1 Information on toxicological effects

No information available.

### 11.4 Other adverse effects

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

### 12.7 Additional ecotoxicological information

There are no data available on the product itself. Do not empty into waters or drains.

## SECTION 13: Disposal considerations

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

### 13.1 Waste treatment methods

#### Product/Packaging disposal

#### Waste codes/waste designations according to EWC/AVV

08 01 11: waste paint and varnish containing organic solvents or other dangerous substances.

## SECTION 14: Transport information

### 14.1 UN number

UN 1950

### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

AEROSOLS

#### Sea transport (IMDG)

AEROSOLS

#### Air transport (ICAO-TI / IATA-DGR)

AEROSOLS, FLAMMABLE

### 14.3 Transport hazard class(es)



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**Land transport (ADR/RID)**

**Class(es) :** 2.1  
**Classification code :** 5F  
**Hazard identification number (Kemler No.) :** 23  
**Tunnel restriction code :** D  
**Special provisions :** LQ 1 | · E 0  
**Hazard label(s) :** 2.1

**Sea transport (IMDG)**

**Class(es) :** 2.1  
**EmS-No. :** F-D / S-U  
**Special provisions :** LQ 1 | · E 0  
**Hazard label(s) :** 2.1

**Air transport (ICAO-TI / IATA-DGR)**

**Class(es) :** 2.1  
**Special provisions :** E 0  
**Hazard label(s) :** 2.1

**14.4 Packing group****14.5 Environmental hazards**

**Land transport (ADR/RID) :** No  
**Sea transport (IMDG) :** No  
**Air transport (ICAO-TI / IATA-DGR) :** No

**14.6 Special precautions for user**

None

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

U.S.A. Conforms to ASTM D-4236.

**Water hazard class (WGK)**

Class ( D ) : 2 (Hazardous to water) Classification according to VwVwS

**15.2 Chemical safety assessment**

No information available.

**SECTION 16: Other information****16.1 Indication of changes**

None

**16.2 Abbreviations and acronyms**

None

**16.3 Key literature references and sources for data**

None

**16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

No information available.

**16.5 Relevant H- and EUH-phrases (Number and full text)**

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H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

**16.6 Training advice**

None

**16.7 Additional information**

The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.