

# Material Safety Data Sheet

according to 91/155/EEC



**Product name :** Lascaux Remover (2098)  
**Revision :** 22.02.2005      **Version :** 5.0.0  
**Print date :** 16.06.2005

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## 01. Identification of substance, preparation and company

### Product name:

Lascaux Remover (2098)

### Manufacturer/Supplier

Lascaux Colours & Restauro  
Barbara Diethelm AG

### Street/P.O.Box

Zürichstrasse 42

### Country code/Postal code/Town/City

8306 Brüttsellen

### Telephone / Telefax

+41 1 807 41 41 / +41 1 807 41 40

### Emergency information

+41 1 251 51 51 (Tox Center)

+ +1 800 468 6942 (for U.S.A.)

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## 02. Composition/information on ingredients

### Chemical characterization

Concentrate liquid cleaner containing fatty alcohol polyglycol ether, ethylene glycol monobutyl ether, monoethanolamine and sodium xylenesulfonate in water.

### Hazardous components

FETTALKOHOLETHOXYLAT C12-15 9EO ; CAS-No. : 68131-39-5

Percentage : 7 - 25 %

Classification : N ; R 50 Xn ; R 22, R41

2-BUTOXYETHANOL ; CAS-No. : 111-76-2

Percentage : 3 - 7 %

Classification : Xn ; R 20/21/22, R 36/38

2-AMINOETHANOL ; CAS-No. : 141-43-5

Percentage : 3 - 7 %

Classification : C ; R 20/21/22, R34

XYLENE SULFONATE-NA ; CAS-No. : 1300-72-7

Percentage : 1 - 5 %

Classification : Xi ; R 36/37/38

LIMONENE ; CAS-No. : 5989-27-5, 5989-54-8, 138-86-3

Percentage : 0.1 - 2.5 %

Classification : R 10 N ; R 50/53 R 43 Xi ; R 38

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## 03. Hazards identification

### Hazard designation

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Irritating to eyes.

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## 04. First-aid measures

### General

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

### After 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.

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## **After skin contact**

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.

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## **05. Fire-fighting measures**

### **Suitable extinguishing media**

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

### **Unsuitable extinguishing media**

Waterjet.

### **Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged**

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

### **Special protective equipment**

Appropriate breathing apparatus may be required.

### **Additional information**

Do not allow the quenching water into the sewage system.

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## **06. Accidental release measures**

### **Personal precautions**

Ensure adequate ventilation. Refer to protective measures listed in sections 7 and 8.

### **Environmental precautions**

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

### **Methods for cleaning up/collecting**

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.

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## **07. Handling and storage**

### **Information for safe handling**

Avoid skin and eye contact. Do not eat or drink during work - no smoking. Comply with the health and safety at work laws. For personal protection see Section 8.

### **Requirements to be met by storerooms and containers**

No particular measures required.

### **Information about separation of incompatible products**

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

### **Further information about 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 containers dry and cool. Comply with the health and safety at work laws.

**Storage class (VCI) :** 12

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## 08. Exposure controls and personal protection

### Components with critical values that require monitoring at the workplace (exposure limits)

2-BUTOXYETHANOL ; CAS-No. : 111-76-2

Specification : TRGS 900 - maximum limit in the atmosphere at the workplace ( D )

Value : 20 ppm / 98 mg/m<sup>3</sup>

Category : 4

Remarks : H,Y

Version date : 01.09.2001

Specification : TRGS 903 - biological workplace tolerance values ( D )

Parameter : Butoxy acetic acid / urine / in cases of long term exposure after several shifts

Value : 100 mg/l

Version date : 01.09.2001

Specification : Short term exposure limit ( EC )

Value : 50 ppm / 246 mg/m<sup>3</sup>

Remarks : H

Version date : 08.06.2000

Specification : threshold limit value ( EC )

Value : 20 ppm / 98 mg/m<sup>3</sup>

Remarks : H

Version date : 08.06.2000

2-AMINOETHANOL ; CAS-No. : 141-43-5

Specification : TRGS 900 - maximum limit in the atmosphere at the workplace ( D )

Value : 2 ppm / 5.1 mg/m<sup>3</sup>

Category : = 1 =

Remarks : H, Y

Version date : 01.09.2001

### Personal protective equipment

#### Respiratory protection

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

#### Hand protection

Chemical-resistant protective gloves (EN 374).

#### Eye protection

Use safety glasses.

#### Body protection

After skin contact wash thoroughly with soap and water or use recognised skin cleanser. Do Not use solvents or thinners.

## 09. Physical and chemical properties

### Image

**Form :** Liquid.  
**Colour :** Clear to slightly bluish.  
**Odour :** Characteristic.

### Relevant safety data

<b>Boiling point / range :</b>	( 1013 hPa )	ca.	100	°C
<b>Flash point :</b>			not applicable	
<b>Vapour pressure :</b>	( 50 °C )	ca.	120	hPa
<b>Density :</b>	( 20 °C )		1.01 - 1.02	g/cm <sup>3</sup>
<b>pH value :</b>			11.7 - 12.3	
<b>Viscosity :</b>	( 20 °C )		1 - 10	mPa.s

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## 10. Stability and reactivity

### Conditions to avoid

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

### Hazardous decomposition products

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

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## 11. Toxicological information

### Additional toxicological information

There no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See Sections 2 and 15 for details.

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## 12. Ecological information

### Primary degradation

According to the requirements of the EU Mandatory Standards for Detergents 82/242 (nonionic surfactants) and 82/243/EEC (anionic surfactants) the surfactants contained in the products are biodegradable to at least 90% on average.

### Other information on ecology

If acidic or alkaline products are discharged into wastewater installations care must be taken that the discharged wastewater has a pH in the range pH 6 ... 10, as pH variations could cause disorders in wastewater channels and biological sewage treatment plants. The local discharge regulations take precedence.

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## 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.

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## 14. Transport information

### Land transport ADR/RID and GGVS/GGVE (2000)

#### Classification

Class : -

### Land transport ADR/RID (2001)

#### Classification

Class : -

### Maritime transport IMDG/GGVSea

#### Classification

IMDG-Code : -

### Air transport ICAO-TI and IATA-DGR

#### Classification

Class : -

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## 15. Regulatory information

### Classification according to EEC directives

### Danger symbol and danger designation

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Xi ; Irritant

## R-phrases

52/53      Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
36      Irritating to eyes

## S-phrases

26      In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

## National regulatory information

### Regulation on inflammable liquids (VbF)

VbF-Class : Not dangerous according to VbF

### Emission control act ("TA-Luft")

Sum organic substances class I : < 5 %  
Sum organic substances class II : 5 – 10 %

### Water pollution classification

Class : 1 according VwVwS

## International regulatory information

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

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## 16. Other information

### Further information

The details in this material safety data sheet satisfy national and EU 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.

### R-Phrases of components

10	Flammable
20/21/22	Harmful by inhalation, in contact with skin and if swallowed
22	Harmful if swallowed
34	Causes burns.
36/37/38	Irritating to eyes, respiratory system and skin
36/38	Irritating to eyes and skin
38	Irritating to skin
41	Risk of serious damage to eyes
43	May cause sensitization by skin contact
50	Very toxic to aquatic organisms
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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