

1. Identification of the Substance/Preparation and of the Company/Undertaking

Identification of the Product

Product Name: Archäocoll 2000
Article No.: 98500
Use of the Substance/Preparation: Artists' and Restoration Material

Company

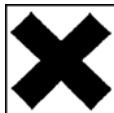
Company: Kremer Pigmente GmbH & Co. KG
Address: Hauptstrasse 41-47, D 88317 Aichstetten
Tel/Fax: Tel +49 7565 91120, Fax +49 7565 1606
Internet: www.kremer-pigmente.de, kremer-pigmente@t-online.de
Emergency No.: +49 7565 91120, Mon-Fri 8:00 - 17:00

2. Hazard Identification

Hazard designation:



F Flammable



Xi Irritating

Risk Phrases:

R66 Repeated exposure may cause skin dryness or cracking.
R11 Highly flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

3. Composition/Information on Ingredients

Hazardous Ingredients: Ethyl acetate 35-40%
CAS-Nr: 141-78-6 EINECS-Nr: 205-500-4 EC-Nr: 607-022-00-5
Propanol 10-25 %
CAS-Nr: 67-63-0 EINECS-Nr: 200-661-7 EC-Nr: 603-117-00-0
Aceton (F,Xi; R11-36-66-67) 35-40 %
CAS-Nr: 67-64-1 EINECS-Nr: 200-662-2 EC-Nr: 606-001-00-8

4. First Aid Measures

After inhalation: Remove to fresh air, if necessary give artificial respiration. Keep affected person warm.
In case of unconsciousness, store, respectively transport in stable side position.
In case of complaints consult a physician.

After skin contact: Wash off immediately with plenty of soap and water and rinse thoroughly.

After eye contact: Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.

After ingestion: Do not induce vomiting. Consult physician immediately.

Information for physician: Apply skin lotion to avoid skin dermatitis.

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Information for physician:

If vomiting occurs after ingestion, aspiration into the lungs can occur which can cause a chemical pneumonia or suffocation.

Causes depression of the central nervous system.

Possible symptoms:

Headache, dizziness, nausea, unconsciousness, dry and chapped skin.

Irritates eyes, skin and respiratory system.

5. Fire-Fighting Measures

Suitable extinguishing media:

CO₂, extinguishing powder, water jet.

Fight larger fire with water jet or alcohol resistant foam.

Protective equipment:

Use self-contained breathing apparatus and full protective gear.

Special hazards:

In case of fire: formation of carbon monoxide.

Further information:

Cool exposed containers with water spray.

6. Accidental Release Measures

Personal precautions:

Wear appropriate protective equipment. Keep spectators away.

Provide adequate ventilation. Keep away from sources of ignition.

Avoid contact with skin and eyes. Do not ingest or inhale.

Close leaks without taking any risk.

Environmental precautions:

Do not discharge into drains, surface or ground water.

Methods of cleaning/absorption:

Contain with absorbent material (sand, diatomaceous earth, universal absorbent, Oil Dri) and dispose accordingly.

Further measures:

Explosion risk. Inform fire department and water pollution authority when product is spilled in sewage system.

7. Handling and Storage

Handling

Instructions on safe handling:

Provide adequate ventilation.

Avoid the formation of aerosol.

Information on fire and explosion protection:

Keep away from sources of ignition - do not smoke. Take precautionary measures against static discharges.

Storage

Storage conditions:

Store in tightly sealed containers in a dry and cool room.

Do not store above 30°C.

Storage compatibility:

Do not store together with: oxidants, reducing agents, alkalis, caustic substances, amines or oxidizing substances.

Storage class (VCI):

3 A

Storage safety regulation (BetrSichV):

Highly flammable.

8. Exposure Controls/Personal Protection

Additional information about design of technical systems:

Provide adequate ventilation.

Components with workplace control parameters (Germany):

Aceton (67-64-1); TRGS 900: 500 ppm / 1200 mg/m³

Ethyl acetate, CAS 141-78-6; TWA: 1500 mg/m³, 400 ml/m³ (2(1)Y; DFG)

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Components with workplace
control parameters (Germany):Isopropyl alcohol, CAS 67-63-0; AGW: 500 mg/m³, 200 ml/m³ (Y;
DFG)*Personal protective equipment*

General protective measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke
during work. Wash hands before breaks and at the end of the shift.

Respiratory protection:

Required in case of insufficient ventilation.

Respirator mask required if ventilation is insufficient. Wear filter
respirator in case of short-term or low exposure, and wear a self-
contained breathing apparatus in case of long-term or higher
exposure.

Hand protection::

Protective gloves, antistatic.

Eye protection:

Tightly fitting safety goggles.

Body protection:

Protective clothing (flame-proof, antistatic).

9. Physical and Chemical Properties

Form:

viscous

Color:

whitish-beige

Odor:

characteristic

Melting temperature:

-84°C

Boiling temperature:

76-78°C (DIN 53171)

Flash point:

-4°C (DIN 51755)

Ignition temperature:

460°C (DIN 51794)

Explosion risk:

Product is not explosive; however, an explosive vapor/air mixture
can be formed.

Lower explosion limit:

2.1 Vol.-%

Upper explosion limit:

11.5 Vol.-%

Vapor pressure:

102 mbar (20°C)

Density:

0.899-0.901 g/cm³ (20°C)

Solubility in water:

insoluble

Viscosity dynamic:

0.44 mPa.s (20°C)

Further information:

The data is based on those of ethyl acetate.

10. Stability and ReactivityThermal
decomposition/Conditions to be
avoided:

Stable if used according to specifications.

Substances to be avoided:

Avoid heat, impact and friction.

Nitrocellulose decomposes when in contact with: oxidants, reducing
agents, alkalis, caustic substances, amines or oxidizing substances.Hazardous decomposition
products:

Carbon monoxide, carbon dioxide and nitrogen oxide.

Toxic fumes.

11. Toxicological Information*Acute toxicity*

LD50, oral:

Aceton: 5800 mg/kg (rat)

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LD50, oral:	Ethyl acetate: 4935 mg/kg (rat) Nitrocellulose: > 2000 mg/kg (rat) Isopropanol: 4710 mg/kg (rat)
LD50, dermal:	Aceton: 20000 mg/kg (rabbit) Isopropanol: 12870 mg/kg (rabbit)
LD50, inhalation:	Ethyl acetate: 1600 mg/kg (4h, rat) Isopropanol: 72.6 mg/kg (4h, rat)

Primary effects

Irritant effect on skin:	Non irritating
Irritant effect on eyes:	Non-irritating to eyes
Sensitization:	No sensitizing effects known.

12. Ecological Information*Further information*

Water hazard class:	1
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13. Disposal Considerations

Product:	In accordance with current regulations, product may be taken to an incineration plant.
Waste Code No.:	The waste code is determined according to the code of the European Waste Catalog.
Uncleaned packaging:	Dispose of according to official local regulations.

14. Transport Information*Road Transportation ADR/RID*

Class:	3
Packaging group:	II
UN No.:	1090
Hazard No.:	3
Correct technical name:	ACETONE

Sea transportation

IMDG/GGVSee Class:	3
Packaging group:	II
UN No.:	1090
EmS No.:	F-E, S-D
Hazard No.:	3
Correct technical name:	ACETONE

Air transportation

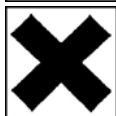
ICAO/IATA Class:	3
Packaging group:	II
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Correct technical name:	ACETONE

15. Regulatory Information

Hazard designation:



F Flammable



Xi Irritating

Risk Phrases:

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

R11 Highly flammable.

Safety Phrases:

S09 Keep container in a well-ventilated place.

S33 Take precautionary measures against static discharges.

S16 Keep away from sources of ignition - No smoking.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Employment restrictions:

The employment restrictions for young workers in accordance with the Youth Employment Protection Law (94/33/EC) are to be observed.

Water hazard class:

1, slightly hazardous for water (self-assessment)

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations.

This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.