

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 13/02/2012

revision 13/02/2012 (GB) Version 1.0

**Precious Amber 270ml**

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

**Product identifier**

**Name of product**

Precious Amber 270ml

Art-Nr W504

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

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

**Distributor**

P+L Systems Ltd.

Ten St James Business Park, Grimbald Crag Court, UK-  
HG5 8QB Knaresborough

Phone 0044 (0) 800 988 5359, Fax 0044 (0) 1 423 863 497

E-Mail [info@pandlsystems.com](mailto:info@pandlsystems.com)

Internet [www.pandlsystems.com](http://www.pandlsystems.com)

**Advice**

Phone 0044 (0) 1 412 861 226

**Emergency telephone number**

**Manufacturer**

Colep Bad Schmiedeberg GmbH

Kemberger Str.3, D-06905 Bad Schmiedeberg

Phone +49 (34925) 76-0, Fax +49 (34925) 76-299

Internet [www.colep.com](http://www.colep.com)

**Advice**

Application

Phone +49 (34925) 76-0

Fax +49 (34925) 76-299

E-mail (competent person):

[Steffen.Bruehmann@colep.com](mailto:Steffen.Bruehmann@colep.com)

**Emergency telephone number**

**Emergency advice**

Herr Brühmann

Phone +49 (34925) 76-0

This number is only available at office times.

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**SECTION 2: Hazards identification**

**Classification of the substance or mixture**

**Classification according to 67/548/EEC or 1999/45/EC**

F+; R12

**R-phrases**

12 Extremely flammable.

**Label elements**

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**Labelling according to 67/548/EEC or 1999/45/EC**

**F+** Extremely flammable



**R-phrases**

12 Extremely flammable.

**S-phrases**

2 Keep out of the reach of children.

23 Do not breathe spray.

46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

**Special rules for supplemental label elements for certain mixtures**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Keep away from sources of ignition - No smoking.

**Other hazards**

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**SECTION 3: Composition/ information on ingredients**

**Mixtures**

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
64-17-5	200-578-6	ethanol	ca. 15	F R11
67-63-0	200-661-7	propan-2-ol	ca. 10	F R11; Xi R36; R67
74-98-6	200-827-9	propane	ca. 12	F+ R12
75-28-5	200-857-2	isobutane	ca. 23	F+ R12
106-97-8	203-448-7	butane	ca. 33	F+ R12
139504-68-0	412-300-2	1-[(2-tert-butyl)cyclohexyloxy]-2-butanol	< 0,13	N R51-53
54464-57-2	259-174-3	octahydro-2,3,8,8-tetramethyl-2-acetonaphthone	< 0,75	N R51/53
105-95-3	203-347-8	ethylene brassylate	< 0,9	N R51/53

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**SECTION 4: First aid measures**

**Description of first aid measures**

**General information**

In case of allergic reactions, specially at respiratory tract, seek medical treatment immediately.

In case of stronger and long effects, specially on skin and respiratory tract, medical treatment is necessary.

**In case of inhalation**

In the event of symptoms refer for medical treatment.

**In case of skin contact**

Consult a doctor if skin irritation persists.

**In case of eye contact**

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

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

**Physician's information / possible symptoms**

Allergic symptoms

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

**Treatment (Advice to doctor)**

Treat symptoms.

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**SECTION 5: Firefighting measures**

**Extinguishing media**

**Suitable extinguishing media**

Alcohol-resistant foam

ABC powder

Carbon dioxide

Water spray jet

**Extinguishing media which must not be used for safety reasons**

Full water jet

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

In the event of fire the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

**Advice for firefighters**

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply ( isolated ).

Do not inhale explosion and/or combustion gases.

**Additional information**

Cool endangered containers with water spray jet.

Shown danger refers to the contents of the cans standing under pressure. Above 50 °C danger of burst under emission of atmosphere capable of explosion . Bring out containers from fire area.

Collect contaminated firefighting water separately, must not be discharged into the drains.

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**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

Keep people away and stay on the upwind side.

Keep away sources of ignition.

Pay attention to extension of gas especially at ground (heavier than air) and in direction of the wind.

**Environmental precautions**

Collect contaminated water / firefighting water separately.

Do not discharge into the drains/surface waters/groundwater.

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### Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).

### Additional Information

Vapour can be explosive in the mixture with air.

### Reference to other sections

## SECTION 7: Handling and storage

### Precautions for safe handling

#### Advice on safe handling

No special measures necessary if used correctly.

#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Emergency cooling must be provided for the eventuality of a fire in the vicinity.

Vapours can form an explosive mixture with air.

The vapours of product are heavier than air.

Formation of explosive gas mixtures in air.

Pay attention to general rules of internal fire prevention.

Avoid effect of heat.

### Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Ventilate store-rooms thoroughly.

Provide floor with bunding.

#### Further information on storage conditions

Keep locked up, out of reach of children

Protect aerosols against fall over.

Storage temperature between 0°C to 30°C (=32°F to 86°F), maximum 50°C (=122°F).

Protect from heat/overheating.

#### Information on storage stability

maximum storage time: 3 years.

**Storage group** 2B

**Fire class** C

### Specific end use(s)

## SECTION 8: Exposure controls/personal protection

### Control parameters

#### biological limits (TRGS 903)

CAS No	Name	Parameter	BGW	Examination	Test date
67-63-0	propan-2-ol	Aceton	50 mg/l	B	b
67-63-0	propan-2-ol	Aceton	50 mg/l	U	b

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### Exposure controls

#### Respiratory protection

Breathing apparatus in the event of high concentrations.

Short term: filter apparatus, filter A

#### Hand protection

Gloves (solvent-resistant)

#### General protective measures

Avoid contact with eyes and skin

Do not inhale aerosols

#### Hygiene measures

At work do not eat, drink, smoke or take drugs.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

#### Form

aerosol can (data refer to the contents).

#### Colour

colourless, clear

#### Odour

aromatic alcoholic

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value in delivery state</b>	not applicable				
<b>Acid number</b>	not applicable				
<b>Flash point</b>	-60 °C			DIN 51755	information concerns to propellant
<b>Ignition temperature</b>	365 °C			DIN 51794	information concerns to propellant
<b>Lower explosion limit</b>	1,5 Vol-%			DIN 51649	information concerns to propellant
<b>Upper explosion limit</b>	8,5 Vol-%			DIN 51649	information concerns to propellant
<b>Vapour pressure</b>	2,7 bar	20 °C		inside pressure of the aerosol can	
<b>Density</b>	0,63 g/cm <sup>3</sup>	20 °C		liquid	information concerns to liquid phase
<b>Solubility in water</b>					multimiscible

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**Other information**

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**SECTION 10: Stability and reactivity**

**Reactivity**

**Chemical stability**

**Possibility of hazardous reactions**

**Conditions to avoid**

danger of bursting above 50 °C

**Incompatible materials**

**Hazardous decomposition products**

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**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	5000 mg/kg	rat	OECD 401	Information concerns to main component.
<b>LD50 acute dermal</b>	10000 mg/kg	rabbit		
<b>LC50 acute inhalation</b>	> 1800 mg/l (4 h)	rat	OECD	
<b>Irritability skin</b>	low irritant effect - not necessary to label			
<b>Irritability eye</b>	low irritant - no labeling duty			

**Experiences made from practice**

Allergic reactions possible ( analogy-reasons ).

Has a degreasing effect on the skin.

Frequent persistent contact with the skin may cause skin irritation.

**Additional information**

No toxicol dates available.

Toxicol dates refer to solvent.

Labelling in compliance with the assessment procedure specified in the EC guidelines 1999/45/EC.

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**SECTION 12: Ecological information**

**Toxicity**

**Ecotoxicological effects**

	Value	Species	Method	Validation
<b>Fish</b>	LC50 > 2000 mg/l (96 h)	Leuciscus idus	OECD 203, lethality	

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	Value	Species	Method	Validation
<b>Daphnia</b>	EC50 > 5000 mg/l (48 h)	Daphnia magna	OECD 202	
<b>Algae</b>	EC50 > 100 mg/l	Scenedesmus subspicatus	OECD 201	

### Persistence and degradability

#### Biological degradability

Biodegradable

#### Bioaccumulative potential

#### Mobility in soil

#### Results of PBT and vPvB assessment

#### Other adverse effects

#### General regulation

Do not allow uncontrolled leakage of product into the environment.

The information to ecology refers to solvent.

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## SECTION 13: Disposal considerations

### Waste treatment methods

#### Waste code No.

20 01 40

#### Name of waste

metals

### Recommendations for the product

May be taken to household waste disposal or incineration plant, but care for official regulations.

### Recommendations for packaging

Totally emptied packaging may be taken for recycling.

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## SECTION 14: Transport information

### Land and inland navigation transport ADR/RID

UN 1950 AEROSOLS (butane), 2.1, (D), Classification code: 5F

### Marine transport IMDG

UN 1950 AEROSOLS (butane), 2

### Air transport ICAO/IATA-DGR

UN 1950 Aerosols, flammable (butane), 2.1

### Transport/further information

Regulations concerning free quantities are to be observed.

### Special precautions for user

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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## SECTION 15: Regulatory information

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**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Other regulations (EU)**

Aerosol directive (75/324/EEC).

**National regulations**

<b>Water hazard class</b>	3	Mixture-WGK
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### Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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## SECTION 16: Other information

**Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)**

R 11 Highly flammable.

R 12 Extremely flammable.

R 36 Irritating to eyes.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 67 Vapours may cause drowsiness and dizziness.