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

### 1.1. Product identifier

Name of product Colour Restorer  
Art-Nr 02.2142.00

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

Recommended intended purpose(s)  
care product

### 1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor Yachticon A. Nagel GmbH  
Bürgermeister-Bombeck-Str. 1, D-22851 Norderstedt  
Phone +49 40 511 37 80, Fax +49 40 51 74 37  
E-Mail yachticon@yachticon.de  
Internet www.yachticon.de

### Advice

Phone +49 40 511 37 80  
Fax +49 40 51 74 37  
E-mail (competent person):  
yachticon@yachticon.de

### 1.4. Emergency telephone number

#### Emergency advice

Phone +49 40 511 37 80  
This number is only available at office times.

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### ! Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Aquatic Chronic 3	H412	
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#### Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

#### ! Additional hints

This mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [GHS].

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

#### Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

#### Precautionary Statements

#### General

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

**Colour Restorer****Prevention**

P273 Avoid release to the environment.

**Response**

P302 + P352 IF ON SKIN: Gently wash with plenty of soap and water.

**Disposal**

P501 Dispose of contents/container to an approved waste handling.

**Supplemental Hazard information (EU)****Health properties**

Repeated exposure may cause skin dryness or cracking.

**2.3. Other hazards****Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**! SECTION 3: Composition/ information on ingredients****3.1. Substances**

not applicable

**3.2. Mixtures****! Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
	918-811-1	Hydrocarbons, C10, aromatics, <1% naphthalene	2,5 < 10	Asp. Tox. 1, H304 / STOT SE 3, H336 / Aquatic Chronic 2, H411 / , EUH066
	918-481-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics	25 < 50	Asp. Tox. 1, H304 / , EUH066

**REACH**

CAS No	Name	REACH registration number
	Hydrocarbons, C10, aromatics, <1% naphthalene	01-2119463583-34-XXXX
	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics	01-2119457273-39-XXXX

**! SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove moisted clothing immediately.

In the event of persistent symptoms receive medical treatment.

**In case of inhalation**

Ensure of fresh air.

Refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off with soap and water.

**! In case of eye contact**

In case of contact with eyes rinse thoroughly with water.

Remove contact lenses.

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**! In case of ingestion**

Do not induce vomiting.  
Refer to medical treatment.  
Rinse out mouth and give plenty of water to drink.

**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**

No information available.

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**! SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Foam  
Dry powder  
Carbon dioxide  
Water spray jet

**Unsuitable extinguishing media**

Full water jet

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

Fire gas of organic material has to be classed invariably as respiratory poison.  
In the event of fire the following can be released:  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
In case of fire formation of dense black smoke.

**5.3. Advice for firefighters**

**! Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply ( isolated ).

**Additional information**

Cool endangered containers with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.  
High risk of slipping due to leakage / spillage of product.  
Collect contaminated firefighting water separately, must not be discharged into the drains.  
Remove containers from the danger area, if possible without risk.

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**! SECTION 6: Accidental release measures**

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

**! For non-emergency personnel**

Ensure adequate ventilation.  
Avoid skin and eye contact.  
Use personal protective clothing.  
High risk of slipping due to leakage/spillage of product.

**Colour Restorer**

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**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.  
Prevent spread over a wide area (e.g. by containment or oil barriers).  
Suppress gases/vapours/mists with water spray jet  
If product enters water course or sewage system, inform the responsible authority.

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

Pump off larger quantity.  
Send in suitable containers for recovery or disposal.  
Take up residues with absorbent material (e.g. sand, general-purpose binder).  
After taking up the material dispose according to regulation.  
Ensure adequate ventilation.

**Additional Information**

Remove all sources of ignition. Avoid open flames.

**6.4. Reference to other sections**

Safe handling: see section 7  
Disposal: see section 13  
Personal protection equipment: see section 8  
Emergency telephone number: see section 1

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**! SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**! Advice on safe handling**

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Avoid inhalation of vapors/aerosols.

Avoid contact with skin and eyes.

**General protective measures**

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

**! Hygiene measures**

Clean skin thoroughly after working.

Cloths contaminated with product should not be kept in trouser pockets.

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Work in rooms with good ventilation.

Keep away from food and drink.

Wash hands before breaks and after work.

Use barrier skin cream.

**! Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking

Avoid impact, friction and electrostatically charging.

Avoid open flames, sparks or other ignition sources and sunlight.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Keep in closed original container.

Provide solvent-resistant and impermeable floor.

**! Further information on storage conditions**

Keep container tightly closed and store at cool and aired place.  
Exclude sources of ignition - No smoking.  
Protect from heat and direct solar radiation.  
Bei 5 bis 50 °C lagern.

**7.3. Specific end use(s)**

No information available.

**! SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**8.2. Exposure controls**

**! Respiratory protection**

In case of insufficient ventilation or long-term effect use breathing apparatus.

Multi-purpose filter ABEK

Not necessary with adequate exhaust ventilation.

**Hand protection**

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitril, 0,4 mm, 60 min, 480 min. e.g. "Camatril Profi" (KCL GmbH, Email: Vertrieb@kcl.de)

The selection of the suitable gloves does not only depend on different material, but also on further marks of quality and varies from manufacturer to manufacturer.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

**Eye protection**

tightly fitting goggles

**Other protection measures**

Light protective clothing.

**Appropriate engineering controls**

Ensure good ventilation, where necessary use fume hood.

**! SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Appearance**

liquid

**Colour**

amber

**Odour**

characteristic

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				
<b>Boiling temperature / boiling range</b>	not determined				

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

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**Colour Restorer**

	Value	Temperature	at	Method	Remark
<b>Melting point / Freezing point</b>	not determined				
<b>Flash point</b>	63 °C				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	< 1 g/cm <sup>3</sup>	20 °C			
<b>Vapour density</b>	> 1				
<b>Solubility in water</b>		20 °C			insoluble
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity kinematic</b>	> 20,5 mm <sup>2</sup> /s	40 °C		ISO 3104	

**Oxidising properties**

No information available.

**Explosive properties**

No information available.

**9.2. Other information**

Refer to technical data sheet.

## ! SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

Stable under normal conditions of use.

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

humidity

Heat, open flames, sparks

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

Concerning possible decomposition products see section 5.

### Thermal decomposition

Remark No decomposition if used as directed.

### ! Additional information

As a general rule we recommend avoiding the contact with strong chemical reagents, such as acids, bases, reductors and oxidizers.

## ! SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 5000 mg/kg	rat	OECD 401	Information refers to main component.
<b>LD50 acute dermal</b>	> 5000 mg/kg	rabbit	OECD 402	Information refers to main component.
<b>LC50 acute inhalation</b>	4951 mg/l (4 h)	rat	OECD 403	Information concerns to main component.
<b>Skin irritation</b>	non-irritant			
<b>Eye irritation</b>	non-irritant			
<b>Skin sensitization</b>	No known sensitization.			
<b>Sensitization respiratory system</b>	No known sensitization.			

### Subacute Toxicity - Carcinogenicity

Value	Species	Method	Validation
<b>Mutagenicity</b>			No evidence of genotoxicity.
<b>Reproduction-Toxicity</b>			No evidence of reproductive toxicity.
<b>Carcinogenicity</b>			No evidence of possible carcinogenic effects.

! **Specific target organ toxicity (single exposure)**

No effect known.

! **Specific target organ toxicity (repeated exposure)**

No effect known.

! **Aspiration hazard**

No classification in terms of aspiration (kinematic viscosity at 40 °C > 20.5 mm<sup>2</sup> / s)

! **Experiences made from practice**

Repeated or prolonged contact with the product leads to degreasing of the skin and may cause non-allergic skin problems (contact dermatitis) and / or absorption of harmful substances.

**Additional information**

The product should be handled with the care usual when dealing with chemicals.  
Further hazardous properties can not be excluded.

## 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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

#### General regulation

Harmful to aquatic organisms, with long-term effect.

Ecological dates are not available.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.



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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Recommendations for the product

There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany the Recycling and Waste Management Act (KrWG) stipulates recycling as a requirement. This means that a distinction must be made between "wastes for recycling" and "wastes for disposal". Particular aspects - in the main concerning delivery - are also governed by the Laender.

#### Recommendations for packaging

Disposal according to official regulations.

#### General information

Allocation of the waste number has to be done according to the EWC directive industry- and process-specific.

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## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

### 14.6. Special precautions for user

No information available.

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

No information available.

#### Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

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## ! SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### VOC standard

VOC content <50 % 20 °C  
VOC value =460 g/L

### 15.2. Chemical Safety Assessment

No information available.

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## SECTION 16: Other information

### Training advice

See the technical data sheet for more information.

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

### Further information

The national special regulations have to be implemented by each user their own responsibility!

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please note: Our Material Safety Data Sheets have been prepared in accordance with EU directives, WITHOUT taking into account the specific national regulations for handling hazardous materials and chemicals.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.0

### Sources of key data used

Data sheets of the suppliers.

European Chemicals Agency (ECHA)

Full text of the hazard phrases in section 2 and 3.

EUH066 Repeated exposure may cause skin dryness or cracking.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.