

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

1.1. Product identifier

Name of product Pury Grey
Art-Nr: 1.0601.02844.00000
UFI Nr. / BAuA Nr.: 66V7-M0S3-R009-3SNE

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

Recommended intended purpose(s)

cleaning agent

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 3780, 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

Giftinformationszentrale Berlin
Phone +49 (0)30 30686700

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 |
|--------------------------------------|-------------------|--------------------------|
|--------------------------------------|-------------------|--------------------------|

| | | |
|--------------|------|--|
| Eye Irrit. 2 | H319 | |
|--------------|------|--|

Hazard statements for health hazards

H319 Causes serious eye irritation.

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]



GHS07

Signal word
Warning

Hazard statements for health hazards
H319 Causes serious eye irritation.

Precautionary Statements

General

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

Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.

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] |
|-----------|-----------|-------------------------|------------|--|
| 5949-29-1 | 201-069-1 | citric acid monohydrate | 5 - 15 | Eye Irrit. 2, H319 |

REACH

| CAS No | Name | REACH registration number |
|-----------|-------------------------|---------------------------|
| 5949-29-1 | citric acid monohydrate | 01-2119457026-42-XXXX |

Labelling for contents according to regulation (EC) No 648/2004, annex VII

LINALOOL (CAS 78-70-6)
less than 5 % non-ionic surfactants

! 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.

In case of skin contact

In case of contact with skin wash off with water.

! In case of eye contact

In case of contact with eyes rinse thoroughly with water.
In case of irritation consult an ophthalmologist.

In case of ingestion

Rinse out mouth thoroughly with water.

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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.

Dry fire-extinguishing substance

Carbon dioxide

Water spray 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:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply (isolated).

Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid skin and eye contact.

Use personal protective clothing.

High risk of slipping due to leakage/spillage of product.

6.2. Environmental precautions

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

If product enters water course or sewage system, inform the responsible authority.

6.3. Methods and material for containment and cleaning up

Send in suitable containers for recovery or disposal.

Take up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

After taking up the material dispose according to regulation.

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

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 prolonged / repeated skin contact.

Avoid contact with eyes.

General protective measures

Avoid contact with the skin.

Avoid contact with the eyes.

Hygiene measures

Clean skin thoroughly after working.

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.

Further information on storage conditions

Protect from frost.

Keep container tightly closed and store at a cool and dry place.

Storage group 12

7.3. Specific end use(s)

No information available.

! SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL-/PNEC-values

PNEC

| CAS No | Substance name | Value | Code | Remark |
|-----------|-------------------------|------------------|-----------------------------------|--------|
| 5949-29-1 | citric acid monohydrate | 3,46 mg/kg | PNEC sediment, marine water | |
| | | 440 mg/l | PNEC aquatic, freshwater | |
| | | 34,6 mg/kg | PNEC sediment, freshwater | |
| | | 33,1 mg/kg dw | PNEC sewage treatment plant (STP) | |

8.2. Exposure controls

Respiratory protection

Not necessary with adequate exhaust ventilation.

! Hand protection

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrile, 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.

Pury Grey

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

Eye protection

safety 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

green

Odour

of lavender

Odour threshold

not determined

Important health, safety and environmental information

| | Value | Temperature | at | Method | Remark |
|----------------------------------|----------------|-------------|----|-----------|-----------------------------------|
| pH value | ca. 7 | 20 °C | | DIN 19261 | |
| boiling point | > 100 °C | | | | |
| melting point | < 0 °C | | | | |
| Flash point | | | | | No flash point. |
| Vapourisation rate | not determined | | | | |
| Flammable (solid) | not determined | | | | |
| Flammability (gas) | not determined | | | | |
| Ignition temperature | not determined | | | | |
| Self ignition temperature | | | | | The product is not self-igniting. |
| Lower explosion limit | not determined | | | | |
| Upper explosion limit | not determined | | | | |
| Vapour pressure | 23 hPa | 50 °C | | DIN 51640 | |
| Relative density | 1,02 g/ml | 20 °C | | | |
| Vapour density | not determined | | | | |
| Solubility in water | | 20 °C | | | multimiscible |

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| | Value | Temperature | at | Method | Remark |
|--|----------------|-------------|----|------------|--------|
| Solubility/other | not determined | | | | |
| Partition coefficient n-octanol/water (log P O/W) | not determined | | | | |
| Decomposition temperature | not determined | | | | |
| Viscosity dynamic | < 10 mPa*s | 25 °C | | Brookfield | |

Oxidising properties

No information available.

Explosive properties

The product is not explosive.

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

Avoid heat and frost.

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 |
|---|-------------------------|---------|--------|--------|
| Skin irritation | non-irritant | | | |
| Eye irritation | irritant | | | |
| Skin sensitization | No known sensitization. | | | |
| Sensitization respiratory system | No known sensitization. | | | |

Subacute Toxicity - Carcinogenicity

| | Value | Species | Method | Validation |
|-----------------------------------|-------|---------|--------|---|
| Mutagenicity | | | | No evidence of genotoxicity. |
| Reproduction- Toxicity | | | | No evidence of reproductive toxicity. |
| Carcinogenicity | | | | 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.

! 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

Ecological data for the mixture are not available.

Do not allow uncontrolled leakage of product into the environment.

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

Uncontaminated packaging may be taken for recycling.

Uncontaminated packaging may be treated as household waste.

Disposal according to official regulations.

Recommended cleansing agent

water

General information

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

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.

! SECTION 15: Regulatory information

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

National regulations

Water hazard class 1 following AwSV (Germany)
slightly hazardous to water

15.2. Chemical Safety Assessment

No information available.

! 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: 1.1

! Sources of key data used

Data sheets of the suppliers.

European Chemicals Agency (ECHA)

Full text of the hazard phrases in section 3.

Umweltbundesamt (Wassergefährdungsklasse)

H319 Causes serious eye irritation.