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

### 1.1. Product identifier

Name of product Gasoline clean  
Art-Nr: 1.0301.02143.00000

### 1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended intended purpose(s)

Additive for petroleum products

### 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

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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
Skin Irrit. 2	H315	
STOT RE 2	H373	
Asp. Tox. 1	H304	
Aquatic Chronic 3	H412	

#### ! Hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.

#### ! 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

**Gasoline clean**

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



GHS07



GHS08

**! Signal word**

Danger

**! Hazard statements for health hazards**

- H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.

**! 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.

**! Prevention**

- P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**! Response**

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...  
P314 Get medical advice/attention if you feel unwell.  
P331 Do NOT induce vomiting.

**Storage**

- P405 Store locked up.

**! Disposal**

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

**! Hazardous ingredients for labeling**

Kerosine (petroleum), hydrodesulfurized, Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclic, aromatics (2-25%), Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%), NAPHTHA (PETROLEUM), HYDRODESULFURED HEAVY

**Additional information**

**Special rules on packaging**

Touchable warning sign (EN/ISO 11683).  
Childproof closures (EN/862/ISO 8317).

**2.3. Other hazards**

No information available.

## ! 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]
	925-653-7	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclic, aromatics (2-25%)	25 < 50	Asp. Tox. 1, H304 / Aquatic Chronic 3, H412 / , EUH066
64742-81-0	265-184-9	Kerosine (petroleum), hydrodesulfurized	1 < 2,5	Asp. Tox. 1, H304 / Skin Irrit. 2, H315 / Aquatic Chronic 2, H411 / STOT SE 3, H336
64742-94-5	265-198-5	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	< 1	Asp. Tox. 1, H304 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Chronic 2, H411
	920-360-0	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)	25 < 50	Asp. Tox. 1, H304 / , EUH066
337367-30-3	Polymer	1-PROPENE, 2-METHYL, HOMOPOLYMER, REACTION PRODUCT M. AMMONIA	5 < 10	Skin Irrit. 2, H315 / Aquatic Chronic 3, H412
64742-82-1	265-185-4	NAPHTHA (PETROLEUM), HYDRODESULFURED HEAVY	1 < 5	Asp. Tox. 1, H304 / STOT RE 1, H372 (central nervous system) / Aquatic Chronic 3, H412 / / , EUH066

#### REACH

CAS No	Name	REACH registration number
	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclic, aromatics (2-25%)	01-2119458869-15-XXXX
64742-81-0	Kerosine (petroleum), hydrodesulfurized	01-2119462828-25-XXXX
64742-94-5	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	01-2119510128-50-XXXX
	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)	01-2119448343-41-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 rinsing with plenty of lukewarm water carefully and seek for medical treatment.

Remove contact lenses.

#### In case of ingestion

Refer to medical treatment.

Rinse out mouth and give plenty of water to drink.

Do NOT induce vomiting - risk of aspiration!

**Gasoline clean**

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

**Physician's information / possible dangers**

Risk of serious lung damage in aspiration. This may cause pulmonary edema and pneumonia.

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

**Treatment (Advice to doctor)**

Treat symptoms.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Alcohol-resistant foam

Dry powder

Carbon dioxide

sand

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>)

Attention slip hazard, if leaking.

Incomplete combustion may lead to formation of toxic pyrolysis products.

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply ( isolated ).

Wear full protective clothing.

**Additional information**

Burns down under strong soot production.

Cool endangered containers with water spray jet.

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

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.

Keep away from heat and sources of ignition.

Use personal protective clothing.

Do not breathe vapors.

Avoid contact with clothing, skin and eyes.

Use suitable breathing apparatus if exposed to vapors / aerosol.

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**Gasoline clean**

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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**

Send in suitable containers for recovery or disposal.

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

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 contact with skin and eyes.

Take the usual precautions when handling with chemicals.

Keep container tightly closed.

**General protective measures**

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

**Hygiene measures**

Clean skin thoroughly after working.

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Work in rooms with good ventilation.

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

The product is combustible.

Take precautionary measures against static discharges.

Keep away from heat.

**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.

**Gasoline clean**

**Advice on storage compatibility**

Do not store with acids or alkalies.  
Do not store together with oxidizing agents.

**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.  
Do not keep at temperatures above 50 ° C.

**Storage group** 10

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

No information available.

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

**8.1. Control parameters**

**8.2. Exposure controls**

**Respiratory protection**

Respiratory protection required when limit values (AGW) are exceeded.  
Short term: filter apparatus, filter A  
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.  
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**

protective clothing

**Appropriate engineering controls**

Ensure good ventilation, where necessary use fume hood.

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**SECTION 9: Physical and chemical properties**

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

**Appearance**

liquid

**Colour**

light brown

**Odour**

like mineral oil

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				

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	Value	Temperature	at	Method	Remark
<b>boiling point</b>	> 160 °C				
<b>Melting point / Freezing point</b>	not determined				
<b>Flash point</b>	> 61 °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>	< 100 hPa	50 °C			
<b>Relative density</b>	< 1 g/cm <sup>3</sup>	20 °C			
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>		20 °C			more or less 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</b>	< 10 mPa*s	20 °C			
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	No information available.				
<b>9.2. Other information</b>	Refer to technical data sheet.				

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## 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

Reactions with oxidising agents.

### 10.4. Conditions to avoid

Heat, open flames, sparks

### 10.5. Incompatible materials

#### Substances to avoid

Reactions with oxidising agents.

### 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.

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>Skin irritation</b>	irritant			
<b>Eye irritation</b>	No irritant effect known.			
<b>Skin sensitization</b>	No known sensitization.			

#### Aspiration hazard

May be fatal if swallowed and enters airways.

#### Experiences made from practice

Inhalation can cause damage to the respiratory tract or lungs.

Inhalation / eye contact: in high concentrations irritating to the mucous membranes, narcotic effect and influence on power of reaction and loss of coordination possible.

#### Additional information

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



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## SECTION 12: Ecological information

### 12.1. Toxicity

No information available.

### 12.2. Persistence and degradability

Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>			slightly degradable

### 12.3. Bioaccumulative potential

Product can accumulate in organisms.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

#### Behaviour in sewage plant

Separate mechanically

#### General regulation

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. Incinerate in suitable incineration plant, but care for official regulations. Must not be disposed together with household garbage.

#### Recommendations for packaging

Disposal according to official regulations.

Packaging that cannot be cleaned should be disposed of like the product.

#### 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	-	-	-

**Gasoline clean**

	ADR/RID	IMDG	IATA-DGR
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>	-	-	-
<b>14.4. Packing group</b>	-	-	-
<b>14.5. Environmental hazards</b>	-	-	-
<b>14.6. Special precautions for user</b> No information available.			
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> No information available.			
<b>Transport/further information</b> 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** 2 Manufacturer specifications 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.

Full text of the hazard phrases in section 3.

EUH066 Repeated exposure may cause skin dryness or cracking.

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- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H372 Causes damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.