

**Safety data sheet  
according to 1907/2006/EC, Article 31**

Printing date 27.05.2015

Version 9

Revision: 27.05.2015

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

- **1.1 Product identifier**
- **Trade name: Adefoclean III Tank cleaner part A**

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- **Article number:** 03175
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
To this day we do not have any information about the identified use at the moment. These data are available we will add these to the safety data sheet.
- **Application of the substance / the mixture**  
Photochemicals  
Tank cleaner  
Reserved for industrial and professional use.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
ADEFO-CHEMIE GmbH  
Justus-von-Liebig-Str. 24-26  
D-63128 Dietzenbach  
Tel.: +49 6074 84239-0  
Fax: +49 6074 84239-63  
E-Mail: service@adefo-chemie.de  
www.adefo-chemie.de
- **Informing department:**  
Tel.: +49 6074 84239-0  
Fax: +49 6074 84239-63  
E-Mail: kr@calbe-chemie.de
- **1.4 Emergency telephone number:** Tel.: 0700-24112112 (CAL)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified according to the CLP regulation.

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- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**  
Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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

- **3.2 Mixtures**
- **Description:** Mixture of the substances listed below with harmless additions.

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- **Dangerous components:**

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**Trade name: Adefoclean III Tank cleaner part A**

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CAS: 64-19-7 EINECS: 200-580-7 Index number: 607-002-00-6 Reg.nr.: 01-2119475328-30-xxxx	acetic acid ⚠ Flam. Liq. 3, H226 ⚠ Skin Corr. 1A, H314	2.0-5.0%
CAS: 64-02-8 EINECS: 200-573-9 Index number: 607-428-00-2 Reg.nr.: 01-2119486762-27-xxxx	tetrasodium ethylenediaminetetraacetate ⚠ Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302	0.5-2.0%
CAS: 60-00-4 EINECS: 200-449-4 Index number: 607-429-00-8 Reg.nr.: 01-2119486399-18-xxxx	edetic acid ⚠ Eye Irrit. 2, H319	0.5-2.0%
CAS: 3179-31-5 EINECS: 221-656-6	1,2,4-triazole-3-thiol ⚠ Acute Tox. 4, H302	0.5-2.0%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** No special measures required.
- **After skin contact**  
Instantly wash with water and soap and rinse thoroughly.  
The product is not skin irritating.
- **After eye contact**  
Rinse opened eye for several minutes under running water (> 15 min). Then consult doctor.
- **After swallowing**  
Rinse out mouth and then drink plenty of water.  
Induce vomiting and call for medical help.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No known symptoms to date.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.  
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**  
Can be released in case of fire  
sulphur dioxide (SO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Do not inhale explosion gases or combustion gases.  
At formation of toxic gases:  
Put on breathing apparatus.

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No special measures required.

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- **Additional information** The product is not flammable

### SECTION 6: Accidental release measures

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

Light weight protective clothing

- **6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.

- **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

- **6.4 Reference to other sections**

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions necessary if used correctly.

- **Information about protection against explosions and fires:**

No special measures required.

The product is not flammable

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

- **Storage**

- **Requirements to be met by storerooms and containers:** No special requirements.

- **Information about storage in one common storage facility:**

Keep away from foodstuffs, beverages and food.

- **Further information about storage conditions:** Store in a cool place.

- **Recommended storage temperature:** 5-25 °C

- **Storage class**

LGK 12

(German Technical Rule for Hazardous Substance – TRGS 510)

- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.

- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

#### 64-19-7 acetic acid

OES	Short-term value: 37 mg/m <sup>3</sup> , 15 ppm
	Long-term value: 25 mg/m <sup>3</sup> , 10 ppm
ILV	

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

Take off immediately all contaminated clothing.

Wash hands during breaks and at the end of the work.

Keep away from foodstuffs, beverages and food.

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Do not eat, drink or smoke while working.

- **Breathing equipment:** Not required.

- **Protection of hands:**

Protective gloves.

The protective gloves to be used must comply with the specifications of the EC directive 89/686/EEC and the resultant standard EN 374.

This recommendation applies only to the product stated in the Safety Data Sheet and supplied by us as well as to the purpose specified by us.

Only use chemical-protective gloves with CE-labelling of category III.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Synthetic gloves

Avoid natural rubber gloves.

- **Penetration time of glove material**

Value for permeation: Level  $\leq 6$  (480 min)

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

- **As protection from splashes gloves made of the following materials are suitable:**

Synthetic gloves

Value for permeation: Level:

 $\geq 3$  (60 min)

- **Eye protection:** Safety glasses

- **Body protection:** Light weight protective clothing

## SECTION 9: Physical and chemical properties

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

- **General Information**

- **Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Light yellow Clear

- **Odour:** Acidic

- **pH-value at 25 °C:** 4.6

- **Change in condition**

**Melting point/Melting range:** Not determined**Boiling point/Boiling range:** > 100 °C

- **Flash point:** Not applicable

- **Self-inflammability:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive.

- **Critical values for explosion:**

**Oxidising properties** None

- **Vapour pressure at 20 °C:** 23 hPa

- **Density at 20 °C** 1.27 g/cm<sup>3</sup>

- **Solubility in / Miscibility with**

**Water:** miscible

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- |                                |  |
|--------------------------------|--|
| · <b>Viscosity:</b>            |  |
| <b>dynamic:</b>                | Not determined                             |
| <b>kinematic:</b>              | Not determined                             |
| · <b>Solvent content:</b>      |  |
| <b>Organic solvents:</b>       | ~ 4 %                                      |
| <b>Water:</b>                  | ~ 55 %                                     |
| · <b>9.2 Other information</b> | No further relevant information available. |

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**  
Reacts with strong acids  
Reacts with strong acids and alkali  
Reacts with acids releasing sulphur dioxide  
Reacts with alkalis releasing ammonia
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity**
- **LD/LC50 values that are relevant for classification:**

**64-19-7 acetic acid**

Oral	LD50	3310 mg/kg (rat)
Dermal	LD50	1060 mg/kg (rabbit)

**64-02-8 tetrasodium ethylenediaminetetraacetate**

Oral	LD50	> 2000 mg/kg (rat)
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**60-00-4 edetic acid**

Oral	LD50	4500 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rabbit)

**3179-31-5 1,2,4-triazole-3-thiol**

Oral	LD50	1353 mg/kg (rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** mild irritant
- **Respiratory or skin sensitisation** No sensitizing effect known.

**Additional toxicological information:**

This statement was deduced from the properties of the single components.  
The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Mixtures as issued in the latest version:

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When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****64-19-7 acetic acid**

LC50/96 h | 75 mg/l (Lepomis macrochirus)

**12.2 Persistence and degradability** Not determined**12.3 Bioaccumulative potential** Not determined**Behaviour in environmental systems:** Not determined**12.4 Mobility in soil** No further relevant information available.**Ecotoxicological effects:** No further relevant information available.**Behaviour in sewage processing plants:** Not determined**Additional ecological information:****General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): Water-endangering.

Do not allow product to reach ground water, water bodies or sewage system.

At present there are no ecotoxicological assessments.

This statement was deduced from the properties of the single components.

The product does not contain organically bounded halogens (AOX-free).

**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

**European waste catalogue**

09 01 05 | bleach solutions and bleach fixer solutions

**Uncleaned packagings:****Recommendation:**

Non contaminated packagings can be used for recycling.

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

**Recommended cleaning agent:** Water, if necessary with cleaning agent.**SECTION 14: Transport information****14.1 UN-Number****ADR, ADN, IMDG, IATA**

Void

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· <b>14.2 UN proper shipping name</b> · <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>14.3 Transport hazard class(es)</b> · <b>ADR, ADN, IMDG, IATA</b> · <b>Class</b>	Void
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	Not applicable.
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	-

### SECTION 15: Regulatory information

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

- **National regulations**

Class	Share in %
II	4.5

- **Water hazard class:** Water hazard class 2 (Self-assessment): water-endangering.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.

- **Recommended restriction of use** No public product, only for commercial use

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
Flam. Liq. 3: Flammable liquids, Hazard Category 3  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A

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Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

• **Sources**

Internal physical tests, MSDS of the ingredients,  
Information system on hazardous substances of the German Social Accident Insurance  
(GESTIS-database on hazardous substances), <http://www.dguv.de/ifa/en/gestis/stoffdb/index.jsp>  
applicable EEC directives:

- 1907/2006
- 1272/2008

• \* **Data compared to the previous version altered.**

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name: Adefoclean III Tank cleaner part B****Article number:** 03175**1.2 Relevant identified uses of the substance or mixture and uses advised against**

To this day we do not have any information about the identified use at the moment. These data are available we will add these to the safety data sheet.

**Application of the substance / the mixture**

Photochemicals

Tank cleaner

Reserved for industrial and professional use.

**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

ADEFO-CHEMIE GmbH

Justus-von-Liebig-Str. 24-26

D-63128 Dietzenbach

Tel.: +49 6074 84239-0

Fax: +49 6074 84239-63

E-Mail: service@adefo-chemie.de

www.adefo-chemie.de

**Informing department:**

Tel.: +49 6074 84239-0

Fax: +49 6074 84239-63

E-Mail: kr@calbe-chemie.de

**1.4 Emergency telephone number:**

Tel.: 0700-24112112 (CAL)

Tel.: +49(0) 170 8309381

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

The product is not classified according to the CLP regulation.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**2.3 Other hazards**

No hazards to be particularly mentioned. Please note the information of this Material Safety Data Sheet.

**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:** Mixture of the substances listed below with harmless additions.**Dangerous components:**

None

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CAS: 21265-50-9 EINECS: 244-302-2	Iron(III), ammonium salt of ethylenediamine-tetracetic acid	50-75%
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**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** No special measures required.
- **After skin contact**  
Instantly wash with water and soap and rinse thoroughly.  
The product is not skin irritating.
- **After eye contact**  
Rinse opened eye for several minutes under running water (> 15 min). Then consult doctor.
- **After swallowing** Rinse out mouth and then drink plenty of water.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No known symptoms to date.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.  
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**  
Can be released in case of fire  
Nitrogen oxides (NO<sub>x</sub>)
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Do not inhale explosion gases or combustion gases.  
At formation of toxic gases:  
Put on breathing apparatus.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste according to item 13.
- **6.4 Reference to other sections**  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** No special precautions necessary if used correctly.

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- **Information about protection against explosions and fires:**  
No special measures required.  
The product is not flammable
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**  
Store only in the original container.  
Do not use light alloy containers.
- **Information about storage in one common storage facility:**  
Keep away from foodstuffs, beverages and food.
- **Further information about storage conditions:** Store in a cool place.
- **Recommended storage temperature:** 5-25 °C
- **Storage class**  
LGK 12  
(German Technical Rule for Hazardous Substance – TRGS 510)
- **7.3 Specific end use(s)** No further relevant information available.

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

- **Additional information about design of technical systems:** No further data; see section 7.
- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:**

CAS No.	Designation of material	%	Type	Value	Unit
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- **Additional Occupational Exposure Limit Values for possible hazards during processing:**  
None
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to general rules for handling chemicals.
- **Breathing equipment:** Not required.
- **Protection of hands:**  
Protective gloves.  
The protective gloves to be used must comply with the specifications of the EC directive 89/686/EEC and the resultant standard EN 374.  
This recommendation applies only to the product stated in the Safety Data Sheet and supplied by us as well as to the purpose specified by us.  
Only use chemical-protective gloves with CE-labelling of category III.
- **Material of gloves**  
Synthetic gloves  
Avoid natural rubber gloves.
- **Penetration time of glove material**  
Value for permeation: Level  $\leq 6$  (480 min)  
The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
- **As protection from splashes gloves made of the following materials are suitable:**  
Synthetic gloves  
Value for permeation: Level:  
 $\geq 3$  (60 min)
- **Eye protection:** Safety glasses recommended during refilling.

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- **Body protection:** Light weight protective clothing

**SECTION 9: Physical and chemical properties****· 9.1 Information on basic physical and chemical properties****· General Information****· Appearance:**

· <b>Form:</b>	Fluid
· <b>Colour:</b>	Red-brown
· <b>Odour:</b>	Ammonia-like

**· pH-value (10 g/l) at 20 °C:** ca. 8**· Change in condition****Melting point/Melting range:** < -10 °C  
**Boiling point/Boiling range:** > 100 °C**· Flash point:** Not applicable**· Self-inflammability:** Product is not selfigniting.**· Danger of explosion:** Product is not explosive.**· Critical values for explosion:****Oxidising properties** None**· Vapour pressure at 20 °C:** 23 mbar**· Density at 20 °C** 1.295 g/cm<sup>3</sup>**· Solubility in / Miscibility with****Water:** miscible**· Viscosity:****dynamic:** Not determined  
**kinematic:** Not determined**· 9.2 Other information** No further relevant information available.**SECTION 10: Stability and reactivity****· 10.1 Reactivity****· 10.2 Chemical stability****· Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**· 10.3 Possibility of hazardous reactions**Reacts with light alloys to form hydrogen  
Corrodes copper and brass**· 10.4 Conditions to avoid** No further relevant information available.**· 10.5 Incompatible materials:** No further relevant information available.**· 10.6 Hazardous decomposition products:** No dangerous decomposition products known**SECTION 11: Toxicological information****· 11.1 Information on toxicological effects****· Acute toxicity****· LD/LC50 values that are relevant for classification:** No data available.

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- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritant effect.
- **Respiratory or skin sensitisation** No sensitizing effect known.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Mixtures as issued in the latest version:  
This statement was deduced from the properties of the single components.  
At present there are no animal experimental data.  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** Not determined
- **12.2 Persistence and degradability** Not determined
- **Other information:** Not determined
- **12.3 Bioaccumulative potential** Not determined
- **Behaviour in environmental systems:** Not determined
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:** Not determined
- **Behaviour in sewage processing plants:** Not determined
- **Additional ecological information:**
- **General notes:**  
At present there are no ecotoxicological assessments.  
Water hazard class 2 (German Regulation) (Self-assessment): Water-endangering.  
Do not allow product to reach ground water, water bodies or sewage system.  
The product does not contain organically bounded halogens (AOX-free).
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated under adherence to official regulations.

• **European waste catalogue**

09 01 05	bleach solutions and bleach fixer solutions
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- **Uncleaned packagings:**
- **Recommendation:**  
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

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- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

**SECTION 14: Transport information**

· <b>14.1 UN-Number</b> · <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>14.2 UN proper shipping name</b> · <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>14.3 Transport hazard class(es)</b> · <b>ADR, ADN, IMDG, IATA</b> · <b>Class</b>	Void
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	Not applicable.
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	-

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:** Water hazard class 2 (Self-assessment): water-endangering.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Recommended restriction of use** No public product, only for commercial use
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

**Sources**

Internal physical tests, MSDS of the ingredients,  
Information system on hazardous substances of the German Social Accident Insurance  
(GESTIS-database on hazardous substances), <http://www.dguv.de/ifa/en/gestis/stoffdb/index.jsp>

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**Safety data sheet  
according to 1907/2006/EC, Article 31**

Printing date 27.05.2015

Version 10

Revision: 27.05.2015

**Trade name: Adefoclean III Tank cleaner part B**

applicable EEC directives:

- 1907/2006
- 1272/2008

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· \* **Data compared to the previous version altered.**

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