

22.06.2009

### Kit Components

Product code	Description
<b>104005</b>	<b>DEV-Tankcleaner für 2x5L</b>

Components:

zu104005 Part1	DEV-Tankcleaner Part 1, 2x0,5L
zu104005Part2	DEV-Tankcleaner Part 2 2x0,5L

## Safety Data Sheet according to 1907/2006/EC, Article 31

Printing date 22.06.2009

version no: 1

Revision: 22.06.2009

### 1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

· **Trade name:** DEV-Tankcleaner Part 1, 2x0,5L

· **Article number:** zu104005 Part1, 5350/1, 44338

· **Application of the substance / the preparation** Cleaning agent/ Cleaner

· **Manufacturer/Supplier:**

TETENAL AG & CO. KG

Schützenwall 31-35

D-22844 Norderstedt

Tel.: +49 040 521 45-0

Fax: +49 040-52145-296

www.tetenal.com

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Leicester LE3 1TH / Great Britain

Tel. +44 0870 460 8996 Fax. +44 0870 460 8997, e.mail: uk@tetenal.com, www.tetenal.co.uk

· **Further information obtainable from:** Department environment and safety. E-mail: info@tetenal.com

· **Information in case of emergency:** Poison Information Centre Berlin (Germany): +49 (0) 30 19 24 0

### 2 Hazards identification

· **Hazard description:**



C Corrosive

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 35 Causes severe burns.

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· **GHS label elements**



Danger

3.2/1A - Causes severe skin burns and eye damage.

· **Prevention:**

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

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

· **Response:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

Specific treatment (see label).

Wash contaminated clothing before reuse.

· **Storage:**

Store locked up.

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- **Disposal:**  
Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 16774-21-3 EINECS: 240-827-6	diammonium hexanitratocerate	 Xi,  O; R 8-41 Danger:  3.3/1	25-50%
CAS: 7664-93-9 EINECS: 231-639-5	sulphuric acid	 C; R 35 Danger:  3.2/1A	10-25%
CAS: 7697-37-2 EINECS: 231-714-2	nitric acid	 C,  O; R 8-35 Danger:  3.2/1A	1-5%

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

### 4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**  
In case of unconsciousness place patient stably in side position for transportation.  
Supply fresh air and to be sure call for a doctor.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **Information for doctor:**  
Hinweise in der GESTIS Gefahrstoffdatenbank: <http://www.hvbg.de/d/bia/gestis/stoffdb/index.html>

### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralizing agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

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### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**
  - Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:**
  - Do not store together with alkalis (caustic solutions).
- **Further information about storage conditions:**
  - Keep container tightly sealed.
  - Store under lock and key and out of the reach of children.
  - Protect from heat and direct sunlight.

### 8 Exposure controls/personal protection

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

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

**7697-37-2 nitric acid (1-5%)**

WEL	Short-term value: 10 mg/m <sup>3</sup> , 4 ppm
	Long-term value: 5.2 mg/m <sup>3</sup> , 2 ppm

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes and skin.
- **Respiratory protection:**
  - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

Acid resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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Glove material: Butyl rubber with breakthrough-time:  $\geq 480$  min, layer thickness:  $\geq 0,4$  mm  
Gloves made of nitrile rubber with layer thickness  $> 0,38$ mm and breakthrough-time  $> 480$ min  
Glove material: Neopren with breakthrough time:  $> 240$  min, layer thickness:  $> 0,65$  mm

**· Eye protection:**

Tightly sealed goggles

**· Body protection:** Protective work clothing

### 9 Physical and chemical properties

**· General Information**

**Form:** Fluid  
**Colour:** Orange  
**Odour:** Pungent

**· Change in condition**

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** Undetermined.

**· Flash point:** Not applicable.

**· Self-igniting:** Product is not selfigniting.

**· Danger of explosion:** Product does not present an explosion hazard.  
May form explosive peroxides.

**· Vapour pressure at 20°C:** 23 hPa

**· Density at 20°C:** 1.3552 g/cm<sup>3</sup>

**· Solubility in / Miscibility with water:** Fully miscible.

**· pH-value at 20°C:**  $< 1$

**· Solvent content:**

**Organic solvents:** 0.0 %  
**Water:** 48.4 %

**· Solids content:** 38.7 %

### 10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- Dangerous reactions** Develops corrosive gases/fumes.
- Dangerous decomposition products:** Sulphur dioxide

### 11 Toxicological information

**· Acute toxicity:****· LD/LC50 values relevant for classification:****7664-93-9 sulphuric acid**

Oral	LD50	2140 mg/kg (rat)
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**7697-37-2 nitric acid**

Inhalative LC50/4 h 24h 15.6mg/l mg/l (for)

**· Primary irritant effect:****· on the skin:** Strong caustic effect on skin and mucous membranes.**· on the eye:** Strong caustic effect.**· Sensitization:** No sensitizing effects known.**· Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

### 12 Ecological information

**· Ecotoxicological effects:****· Aquatic toxicity:****7664-93-9 sulphuric acid**

EC50 24h: 29 mg/l (daphnia)

LC50 96h: 16-28 mg/l (fish)

**· General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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

Must not reach sewage water or drainage ditch undiluted or unneutralized.

Danger to drinking water if even small quantities leak into the ground.

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

### 13 Disposal considerations

**· Product:****· Recommendation**

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

**· European waste catalogue**

07 07 04 other organic solvents, washing liquids and mother liquors

**· Uncleaned packaging:****· Recommendation:** Disposal must be made according to official regulations.**· Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 14 Transport information

**· Land transport ADR/RID (cross-border)****· ADR/RID class:** 8 (C1) Corrosive substances.

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- **Danger code (Kemler):** 8
- **UN-Number:** 3264
- **Packaging group:** II
- **Hazard label:** 8

**· Maritime transport IMDG:**

- **IMDG Class:** 8
- **UN Number:** 3264
- **Label:** 8
- **Packaging group:** II
- **Marine pollutant:** No
- **Proper shipping name:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULPHURIC ACID, NITRIC ACID)

**· Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class:** 8
- **UN/ID Number:** 3264
- **Label:** 8
- **Packaging group:** II
- **Proper shipping name:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULPHURIC ACID, NITRIC ACID)

- **UN "Model Regulation":** UN3264; CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.; 8; II

### 15 Regulatory information

**· Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

**· Code letter and hazard designation of product:**

C Corrosive

**· Hazard-determining components of labelling:**

sulphuric acid  
nitric acid

**· Risk phrases:**

35 Causes severe burns.

**· Safety phrases:**

- 2 Keep out of the reach of children.
- 17 Keep away from combustible material.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

60 This material and its container must be disposed of as hazardous waste.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

35 Causes severe burns.

41 Risk of serious damage to eyes.

8 Contact with combustible material may cause fire.

· **Department issuing MSDS:** Department product safety

· **Contact:** (Tetenal AG & CO.KG Norderstedt, Germany)

· **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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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



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### 1 Identification of the substance/preparation and of the company/undertaking

#### · Product details

· Trade name: **DEV-Tankcleaner Part 2 2x0,5L**

· Article number: zu104005Part2, 44339, 5350/1 Part2

· Application of the substance / the preparation Cleaning agent/ Cleaner

#### · Manufacturer/Supplier:

TETENAL AG & CO. KG

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Tel. +44 0870 460 8996 Fax. +44 0870 460 8997, e.mail: uk@tetenal.com, www.tetenal.co.uk

· Further information obtainable from: Department environment and safety. E-mail: info@tetenal.com

· Information in case of emergency: Poison Information Centre Berlin (Germany): +49 (0) 30 19 24 0

### 2 Hazards identification

#### · Hazard description:



Xi Irritant

#### · Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

#### · Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

#### · GHS label elements



Danger

3.2/1C - Causes severe skin burns and eye damage.

#### · Prevention:

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

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

#### · Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

Specific treatment (see label).

Wash contaminated clothing before reuse.

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**Trade name: DEV-Tankcleaner Part 2 2x0,5L**

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- **Storage:**  
Store locked up.
- **Disposal:**  
Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 140-01-2 EINECS: 205-391-3	Sodium diethylene triamine pentaacetic acid (DTPA-Na5) Xi; R 36/38-52/53 Danger: 3.2/1C 4.1.C/3	25-50%
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- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**  
In case of unconsciousness place patient stably in side position for transportation.  
Supply fresh air and to be sure call for a doctor.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.

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- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Store only in the original receptacle.
- **Information about storage in one common storage facility:**  
Do not store together with oxidizing and acidic materials.
- **Further information about storage conditions:**  
Protect from heat and direct sunlight.  
Store under lock and key and out of the reach of children.  
Recommended storage temperature: 5-25°C

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Glove material: Butyl rubber with breakthrough-time:  $\geq 480$  min, layer thickness:  $\geq 0,4$  mm

Gloves made of nitrile rubber with layer thickness  $>0,38$ mm and breakthrough-time  $>480$ min

Glove material: Neopren with breakthrough time:  $>240$  min, layer thickness:  $>0,65$  mm

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**· Eye protection:**

Tightly sealed goggles

**· Body protection:** Protective work clothing

### 9 Physical and chemical properties

**· General Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	Light yellow
<b>Odour:</b>	Recognizable

**· Change in condition**

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** Undetermined.

**· Flash point:** Not applicable.

**· Self-igniting:** Product is not selfigniting.

**· Danger of explosion:** Product does not present an explosion hazard.

**· Vapour pressure at 20°C:** 23 hPa

**· Density at 20°C:** 1.285 g/cm<sup>3</sup>

**· Solubility in / Miscibility with water:** Fully miscible.

**· pH-value at 20°C:** 13.9

**· Solvent content:**

<b>Organic solvents:</b>	0.0 %
<b>Water:</b>	60.0 %

**· Solids content:** 39.6 %

### 10 Stability and reactivity

**· Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.  
Stable at environment temperature.

**· Dangerous reactions**

No dangerous reactions known.  
Reacts with acids, alkalis and oxidizing agents.

**· Dangerous decomposition products:**

No dangerous decomposition products known.  
Possible in traces.

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### 11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

**140-01-2 Sodium diethylene triamine pentaacetic acid (DTPA-Na5)**

Oral	LD50	>2000 mg/kg (rat)
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Dermal	LD50	>2000 mg/kg (rabbit)
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· **Primary irritant effect:**

· **on the skin:** Irritant to skin and mucous membranes.

· **on the eye:** Strong irritant with the danger of severe eye injury.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

### 12 Ecological information

· **Ecotoxicological effects:**

· **Acquatic toxicity:**

**140-01-2 Sodium diethylene triamine pentaacetic acid (DTPA-Na5)**

EC50	48h:	>500 mg/l (daphnia)
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LC50	96h:	>1000 mg/l (Lepomis macrochirus)
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· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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

Danger to drinking water if even small quantities leak into the ground.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

### 13 Disposal considerations

· **Product:**

· **Recommendation**

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

· **European waste catalogue**

07 07 04	other organic solvents, washing liquids and mother liquors
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· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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### 14 Transport information

#### · Land transport ADR/RID (cross-border)



- ADR/RID class: 8 (C7) Corrosive substances.
- Danger code (Kemler): 88
- UN-Number: 3267
- Packaging group: III
- Hazard label: 8
- Description of goods: 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium diethylene triamine pentaacetic acid (DTPA-Na5))

#### · Maritime transport IMDG:



- IMDG Class: 8
- UN Number: 3267
- Label: 8
- Packaging group: III
- EMS Number: F-A,S-B
- Marine pollutant: No
- Proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium diethylene triamine pentaacetic acid)

#### · Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 8
- UN/ID Number: 3267
- Label: 8
- Packaging group: III
- Proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium diethylene triamine pentaacetic acid)

· UN "Model Regulation": UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.; 8; III

### 15 Regulatory information

#### · Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

#### · Code letter and hazard designation of product:



Xi Irritant

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**· Hazard-determining components of labelling:**

Sodium diethylene triamine pentaacetic acid (DTPA-Na5)

**· Risk phrases:**

38 Irritating to skin.

41 Risk of serious damage to eyes.

**· Safety phrases:**

2 Keep out of the reach of children.

20 When using do not eat or drink.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

60 This material and its container must be disposed of as hazardous waste.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**· Relevant R-phrases**

36/38 Irritating to eyes and skin.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**· Department issuing MSDS: Department product safety****· Contact: (Tetenal AG & CO.KG Norderstedt, Germany)****· 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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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