

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

#### 1.1. Product identifier

Trade name : Omnisept Plus  
Article number : REF 55543 und REF 55585

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Medical device  
Germicide  
Cleaning agent

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

Alfred Becht GmbH  
Carl-Zeiss-Str. 16  
P.O. Box 1145  
77656 Offenburg  
T +49 781 60586-0 - F +49 781 60586-40

##### Email competent person

sds@kft.de

#### 1.4. Emergency telephone number

Emergency number : National Poison Information Service (NPIS)  
24 hour national number professionals only  
0844 892 0111  
  
National Health Service (NHS)  
24 hour national number consumer  
England and Scotland: 111  
Wales: 0845 46 47  
Northern Ireland: call your local General Practitioner  
  
Call 999 if there is a life-threatening incident.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 1B	H314
Serious eye damage/eye irritation, Category 1	H318
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410

Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Harmful if inhaled. Causes serious eye damage. May cause an allergic skin reaction. Causes severe skin burns and eye damage. Very toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



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according to Regulation (EC) No. 1907/2006 (REACH)

GHS05 GHS07 GHS09

Signal word (CLP)	: Danger
Hazardous ingredients	: N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine; Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides; 2,2'-iminodiethylamine; Tridecylamine, branched and linear
Hazard statements (CLP)	: H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H332 - Harmful if inhaled. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P261 - Avoid breathing mist, vapours, spray. P273 - Avoid release to the environment. P280 - Wear protective gloves, protective clothing, eye protection, face protection. P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER, a doctor. P391 - Collect spillage.

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	(CAS-No.) 68391-01-5 (EC-No.) 269-919-4	>=5 - <10	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
2,2'-iminodiethylamine	(CAS-No.) 111-40-0 (EC-No.) 203-865-4 (EC Index-No.) 612-058-00-X (REACH-no) 01-2119473793-27-xxxx	>=2.5 - <5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT SE 3, H335
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	(CAS-No.) 2372-82-9 (EC-No.) 219-145-8	>=2.5 - <5	Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
Tridecylamine, branched and linear	(CAS-No.) 86089-17-0 (EC-No.) 289-185-9 (REACH-no) 01-2119461722-40-xxxx	>=1 - <2.5	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
nitrilotriacetic acid	(CAS-No.) 139-13-9 (EC-No.) 205-355-7 (REACH-no) 01-2119968928-12-xxxx	>=0.25 - <1	Eye Irrit. 2, H319 Carc. 2, H351

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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according to Regulation (EC) No. 1907/2006 (REACH)

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention. Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a physician immediately.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Do NOT induce vomiting. Drink plenty of water. Rinse mouth. Call a physician immediately.

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

Symptoms/effects after inhalation	: Irritation of the respiratory tract.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Halons.

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

Hazardous decomposition products in case of fire	: Toxic fumes may be released. Hydrogen chloride. Carbon dioxide. Carbon monoxide. Nitrogen oxides.
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### 5.3. Advice for firefighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe mist, vapours, spray.
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#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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### 6.2. Environmental precautions

Avoid sub-soil penetration. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.
Other information	: Disposal must be done according to official regulations.

### 6.4. Reference to other sections

See Heading 8. See Heading 13. Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

## SECTION 7: Handling and storage

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according to Regulation (EC) No. 1907/2006 (REACH)

### 7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Do not breathe mist, vapours, spray.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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

Storage conditions	: Protect against frost. Protect from sunlight. Store in a well-ventilated place. Keep cool. Store locked up.
Maximum storage period	: 30 months
Information about storage in one common storage facility	: Keep away from food, drink and animal feeding stuffs.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>2,2'-iminodiethylamine (111-40-0)</b>	
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	2,2'-Iminodi(ethylamine)
WEL TWA (mg/m <sup>3</sup> )	4.3 mg/m <sup>3</sup>
WEL TWA (ppm)	1 ppm
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Third edition, 2018). HSE
<b>N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	8.96 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.789 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	0.04 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.118 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	3.2 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.001 mg/l
PNEC aqua (marine water)	0.0001 mg/l
PNEC aqua (intermittent, freshwater)	0.00015 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	3.2 mg/kg dwt
PNEC sediment (marine water)	0.13 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	45.34 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	0.18 mg/l
<b>nitrilotriacetic acid (139-13-9)</b>	
<b>DNEL/DMEL (Workers)</b>	
Acute - systemic effects, inhalation	11.2 mg/m <sup>3</sup>

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<b>nitritotriacetic acid (139-13-9)</b>	
Long-term - systemic effects, dermal	169.6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	3.7 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Acute - systemic effects, dermal	254.4 mg/kg bodyweight
Acute - systemic effects, inhalation	2.7 mg/m <sup>3</sup>
Long-term - systemic effects, oral	0.4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.9 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	84.8 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.93 mg/l
PNEC aqua (marine water)	0.093 mg/l
PNEC aqua (intermittent, freshwater)	1 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	5.77 mg/kg dwt
PNEC sediment (marine water)	0.577 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0.606 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	400 mg/l
<b>2,2'-iminodiethylamine (111-40-0)</b>	
<b>DNEL/DMEL (Workers)</b>	
Acute - systemic effects, inhalation	92.1 mg/m <sup>3</sup>
Acute - local effects, inhalation	2.6 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	11.4 mg/kg bodyweight/day
Long-term - local effects, dermal	1.1 mg/cm <sup>2</sup>
Long-term - systemic effects, inhalation	15.4 mg/m <sup>3</sup>
Long-term - local effects, inhalation	0.87 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Acute - systemic effects, dermal	4.88 mg/kg bodyweight/day
Acute - systemic effects, inhalation	27.5 mg/m <sup>3</sup>
Long-term - systemic effects, inhalation	4.6 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	4.88 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.56 mg/l
PNEC aqua (marine water)	0.056 mg/l
PNEC aqua (intermittent, freshwater)	0.32 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	107.2 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	7.97 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	6 mg/l

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<b>Tridecylamine, branched and linear (86089-17-0)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, inhalation	0.875 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.000015 mg/l
PNEC aqua (marine water)	0.000015 mg/l
PNEC aqua (intermittent, freshwater)	0.00015 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	0.0523 mg/kg dwt
PNEC sediment (marine water)	0.00523 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0.0104 mg/kg dwt
<b>PNEC (Oral)</b>	
PNEC oral (secondary poisoning)	1.1 mg/kg food
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	0.4 mg/l

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

<b>Hand protection:</b>
Chemical resistant PVC gloves (to European standard EN 374 or equivalent). Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer
<b>Eye protection:</b>
Wear closed safety glasses. EN 166. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure
<b>Skin and body protection:</b>
Wear suitable protective clothing. EN 340. EN 13034
<b>Respiratory protection:</b>
In case of insufficient ventilation, wear suitable respiratory equipment. EN 143. Breathing apparatus with filter. Filter: AX/P3. Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not breathe mist, vapours, Aerosol. Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Always wash hands after handling the product. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: colourless.
Odour	: perfumed.
Odour threshold	: No data available
pH	: 11 - 11.6 (20 °C; 100 g/l)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available

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Boiling point	: > 100 °C
Flash point	: Not applicable
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: ≈ 10 hPa (20 °C; Water)
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.005 - 1.015 g/cm <sup>3</sup>
Solubility	: Water: Miscible
Log Pow	: Not applicable
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: Not applicable

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

Acids. Oxidizing agent.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Harmful if inhaled.

Omnisept Plus	
ATE CLP (oral)	≈ 2214 mg/kg bodyweight
ATE CLP (dermal)	≈ 24222 mg/kg bodyweight
ATE CLP (dust,mist)	≈ 1.6 mg/l/4h

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9)	
LD50 oral rat	261 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg

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<b>Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides (68391-01-5)</b>	
LD50 oral rat	344 mg/kg
LD50 dermal rabbit	3340 mg/kg

<b>2,2'-iminodiethylamine (111-40-0)</b>	
LD50 oral rat	1553 mg/kg
LD50 dermal rabbit	1090 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	0.07 mg/l/4h

<b>Tridecylamine, branched and linear (86089-17-0)</b>	
LD50 oral rat	520 mg/kg (female)

Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 11 - 11.6 (20 °C; 100 g/l)
Serious eye damage/irritation	: Causes serious eye damage. pH: 11 - 11.6 (20 °C; 100 g/l)
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.

<b>N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9)</b>	
LC50 fish 1	0.431 mg/l (96 h; Danio rerio; (OECD 203 method))
EC50 Daphnia 1	0.078 mg/l (48h; Daphnia magna; (OECD 202 method))
ErC50 (algae)	0.015 mg/l (72 h; Pseudokirchneriella subcapitata; (OECD 201 method))
NOEC chronic crustacea	0.024 mg/l (21 d; Daphnia magna; (OECD 211 method))
NOEC chronic algae	0.009 mg/l (72 h; Desmodesmus subspicatus; (OECD 201 method))

<b>Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides (68391-01-5)</b>	
LC50 fish 1	0.28 mg/l (96h; Oncorhynchus mykiss)
EC50 Daphnia 1	0.016 mg/l (48 h; Daphnia magna; (OECD 202 method))
ErC50 (algae)	0.049 mg/l (72 h; Pseudokirchneriella subcapitata; (OECD 201 method))
NOEC chronic crustacea	0.0042 mg/l (21 d; Daphnia magna)

<b>Tridecylamine, branched and linear (86089-17-0)</b>	
LC50 fish 1	0.065 mg/l (96h; Leuciscus idus)
EC50 Daphnia 1	0.015 mg/l (48h; Daphnia magna; Read-across)
ErC50 (algae)	0.2 mg/l (96 h; Dunaliella parva; Read-across)

### 12.2. Persistence and degradability



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<b>Omnisept Plus</b>	
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

<b>N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	79 % (28 d; (OECD 301D method))

<b>Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides (68391-01-5)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	95.5 % (28 d; (OECD 301B method))

<b>nitrilotriacetic acid (139-13-9)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	89 % (28 d; (OECD 301B method))

<b>2,2'-iminodiethylamine (111-40-0)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	87 % (21 d; (OECD 301D method))

<b>Tridecylamine, branched and linear (86089-17-0)</b>	
Persistence and degradability	Not readily biodegradable.
Biodegradation	< 10 % (56 d; (OECD 301B method))

### 12.3. Bioaccumulative potential

<b>Omnisept Plus</b>	
Log Pow	Not applicable
Bioaccumulative potential	The product has not been tested.

<b>N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9)</b>	
Log Pow	0.34 (20 °C; Quantitative structure-activity relationship (QSAR))

### 12.4. Mobility in soil

<b>Omnisept Plus</b>	
Ecology - soil	The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

<b>Omnisept Plus</b>	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
<b>Component</b>	
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides (68391-01-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
nitrilotriacetic acid (139-13-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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2,2'-iminodiethylamine (111-40-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Tridecylamine, branched and linear (86089-17-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.
Sewage disposal recommendations	: Do not allow into drains or water courses.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
European List of Waste (LoW) code	: 07 06 01* - aqueous washing liquids and mother liquors
HP Code	: HP4 - "Irritant — skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye. HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure. HP8 - "Corrosive:" waste which on application can cause skin corrosion. HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
UN 1903	UN 1903	UN 1903	UN 1903	UN 1903
<b>14.2. UN proper shipping name</b>				
DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides ; 2,2'-iminodiethylamine)	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides ; 2,2'-iminodiethylamine)	Disinfectant, liquid, corrosive, n.o.s. (Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides ; 2,2'-iminodiethylamine)	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides ; 2,2'-iminodiethylamine)	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides ; 2,2'-iminodiethylamine)
<b>Transport document description</b>				
UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides ; 2,2'-iminodiethylamine), 8, II, (E), ENVIRONMENTALLY HAZARDOUS	UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides ; 2,2'-iminodiethylamine), 8, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1903 Disinfectant, liquid, corrosive, n.o.s. (Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides ; 2,2'-iminodiethylamine), 8, II, ENVIRONMENTALLY HAZARDOUS	UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides ; 2,2'-iminodiethylamine), 8, II, ENVIRONMENTALLY HAZARDOUS	UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides ; 2,2'-iminodiethylamine), 8, II, ENVIRONMENTALLY HAZARDOUS
<b>14.3. Transport hazard class(es)</b>				
8	8	8	8	8
<b>14.4. Packing group</b>				
II	II	II	II	II

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### 14.5. Environmental hazards

Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes

Contains, N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : C9  
Special provisions (ADR) : 274  
Limited quantities (ADR) : 1I  
Excepted quantities (ADR) : E2  
Transport category (ADR) : 2  
Hazard identification number (Kemler No.) : 80  
Orange plates :

80

1903

Tunnel restriction code (ADR) : E  
EAC code : 2X  
APP code : B

#### Transport by sea

Special provisions (IMDG) : 274  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-B

#### Air transport

PCA Excepted quantities (IATA) : E2  
PCA Limited quantities (IATA) : Y840  
PCA limited quantity max net quantity (IATA) : 0.5L  
PCA packing instructions (IATA) : 851  
PCA max net quantity (IATA) : 1L  
CAO max net quantity (IATA) : 30L  
Special provisions (IATA) : A3, A803

#### Inland waterway transport

Classification code (ADN) : C9  
Special provisions (ADN) : 274  
Limited quantities (ADN) : 1 L  
Excepted quantities (ADN) : E2

#### Rail transport

Classification code (RID) : C9  
Special provisions (RID) : 274  
Limited quantities (RID) : 1L  
Excepted quantities (RID) : E2  
Transport category (RID) : 2  
Hazard identification number (RID) : 80

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

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Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Other information, restriction and prohibition regulations

: Take note of Directive 94/33/EC on the protection of young people at work. Regulation (EC) No. 648/2004 of 31 March 2004 on detergents.

Directive 2012/18/EU (SEVESO III)

Seveso III Part I (Categories of dangerous substances)	Qualifying quantity (tonnes)	
	Lower-tier	Upper-tier
E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1	100	200

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Abbreviations and acronyms:	
CAS	Chemical Abstract Service
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
ADN	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration

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REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative

Data sources : ECHA (European Chemicals Agency). MSDSs of the suppliers. Information provided by the manufacturer.

Department issuing data : KFT Chemieservice GmbH  
specification sheet: Im Leuschnerpark. 3 64347 Griesheim  
Germany

Phone: +49 6155-8981-400 Fax: +49 6155 8981-500  
Safety Data Sheet Service: +49 6155 8981-522

Contact person : Katharina Rieker

Full text of H- and EUH-statements:	
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Acute Tox. 4 (Inhalation:dust,mist)	H332	Calculation method
Skin Corr. 1B	H314	Calculation method

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## Safety Data Sheet

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Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

KFT SDS EU 00

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*