

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**schülke** 

## **Wet Wipe Triamin Disinfection**

**No Change Service!**

Version  
01.00

Revision Date:  
17.12.2022

Date of last issue: -

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

#### **1.1 Product identifier**

Trade name : Wet Wipe Triamin Disinfection  
Article-No. 81133, 81153

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

Use of the Sub- : Other, Health services, Biocidal products  
stance/Mixture Disinfectants and algaecides not intended for direct applica-  
tion to humans or animals, Veterinary hygiene

Recommended restrictions : Restricted to professional users.  
on use

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

Manufacturer/ Supplier : Wet Wipe A/S  
Vallensbaekvej 65  
  
2625 Vallensbaek  
Denmark  
Telephone: +45 70 266 244  
www.wetwipe.eu  
info@wetwipe.eu

E-mail address of person : ChemicalCompliance@schuelke.com  
responsible for the  
SDS/Contact person

#### **1.4 Emergency telephone number**

Emergency telephone num- : +45 82 12 12 12  
ber

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### **SECTION 2: Hazards identification**

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

##### **Classification (REGULATION (EC) No 1272/2008)**

Long-term (chronic) aquatic hazard, Cat- H412: Harmful to aquatic life with long lasting ef-  
egory 3 fects.

#### **2.2 Label elements**

##### **Labelling (REGULATION (EC) No 1272/2008)**

Hazard statements : H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P273 Avoid release to the environment.

**Disposal:**  
P501 Dispose of contents/container in accordance with local  
regulation.

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### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9 219-145-8 - - - 01-2119980592-29-XXXX	Acute Tox. 3; H301 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT RE 2; H373 (Kidney) Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1  Acute toxicity estimate  Acute oral toxicity: 261 mg/kg	>= 0,25 - < 1

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : Take off contaminated clothing and shoes immediately.

If inhaled : If symptoms persist, call a physician.

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- In case of skin contact : Wash with water and soap as a precaution.  
If symptoms persist, call a physician.
- In case of eye contact : Flush eyes with water as a precaution.  
If eye irritation persists, consult a specialist.
- If swallowed : Do NOT induce vomiting.  
Drink water as a precaution.  
Consult a physician if necessary.

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

- Symptoms : Treat symptomatically.

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

- Treatment : For specialist advice physicians should contact the Poisons Information Service.
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## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

- Suitable extinguishing media : Dry powder  
Carbon dioxide (CO<sub>2</sub>)  
Water spray jet  
Foam

- Unsuitable extinguishing media : Do NOT use water jet.

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

- Hazardous combustion products : No hazardous combustion products are known

### **5.3 Advice for firefighters**

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
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## **SECTION 6: Accidental release measures**

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

- Personal precautions : Use personal protective equipment.

### **6.2 Environmental precautions**

- Environmental precautions : Do not flush into surface water or sanitary sewer system.

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

- Methods for cleaning up : Use mechanical handling equipment.
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### 6.4 Reference to other sections

see Section 8 + 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : No special precautions required.  
Advice on protection against fire and explosion : No special protective measures against fire required.

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

- Requirements for storage areas and containers : Store in original container.  
Further information on storage conditions : Keep container tightly closed.  
Advice on common storage : Keep away from food and drink.

### 7.3 Specific end use(s)

- Specific use(s) : none

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	Workers	Inhalation	Long-term systemic effects	2,35 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	0,91 mg/kg

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	Fresh water	0,001 mg/l
	Marine water	0,0001 mg/l
	Fresh water sediment	8,5 mg/kg
	Marine sediment	0,85 mg/kg
	Soil	45,34 mg/kg
	Sewage treatment plant	1,33 mg/l

### 8.2 Exposure controls

#### Personal protective equipment

- Eye/face protection : Safety glasses with side-shields conforming to EN166  
Hand protection

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Remarks	:	Prolonged contact: Nitrile rubber gloves e.g. Camatril (>120 Min., layer thickness: 0.40 mm) or butyl rubber gloves e.g. Butoject (>480 Min., layer thickness: 0.70 mm) made by KCL or gloves from other manufacturers offering the same protection.
Skin and body protection	:	Work uniform or laboratory coat.
Respiratory protection	:	No personal respiratory protective equipment normally required.

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## **SECTION 9: Physical and chemical properties**

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

Physical state	:	Aqueous containing solution on non-woven
Colour	:	colourless
Odour	:	amine-like
Melting point/freezing point	:	No data available
Decomposition temperature	:	No data available
Boiling point/boiling range	:	No data available
Upper explosion limit / Upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Flash point	:	not determined
pH	:	8,5 - 9,5
Viscosity	:	
Viscosity, dynamic	:	1 mPa*s
Solubility(ies)	:	
Water solubility	:	completely soluble, of the active solution
Partition coefficient: n-octanol/water	:	not determined
Vapour pressure	:	Not applicable
Density	:	Not applicable
Relative vapour density	:	Not applicable

### **9.2 Other information**

Explosives	:	Not explosive
Oxidizing properties	:	not determined
Flammability (liquids)	:	Does not sustain combustion.
Self-ignition	:	Not applicable

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Metal corrosion rate : Not applicable

Evaporation rate : not determined

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## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

### **10.2 Chemical stability**

The product is chemically stable.

### **10.3 Possibility of hazardous reactions**

Hazardous reactions : None reasonably foreseeable.

### **10.4 Conditions to avoid**

Conditions to avoid : No data available

### **10.5 Incompatible materials**

Materials to avoid : None reasonably foreseeable.

### **10.6 Hazardous decomposition products**

None reasonably foreseeable.

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## **SECTION 11: Toxicological information**

### **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

#### **Acute toxicity**

Not classified based on available information.

#### **Product:**

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

#### **Components:**

##### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Acute oral toxicity : LD50 Oral (Rat): 261 mg/kg  
Method: OECD Test Guideline 401  
Assessment: Toxic if swallowed.

Acute toxicity estimate: 261 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rat): > 600 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

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### **Skin corrosion/irritation**

Not classified based on available information.

#### **Components:**

#### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Result : Corrosive after 3 minutes to 1 hour of exposure

### **Serious eye damage/eye irritation**

Not classified based on available information.

#### **Components:**

#### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Result : Irreversible effects on the eye

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

#### **Components:**

#### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Test Type : Buehler Test  
Species : Guinea pig  
Result : Did not cause sensitisation on laboratory animals.

### **Germ cell mutagenicity**

Not classified based on available information.

#### **Components:**

#### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Genotoxicity in vitro : Test Type: reverse mutation assay  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

Germ cell mutagenicity- Assessment : Not mutagenic in Ames Test

### **Carcinogenicity**

Not classified based on available information.

#### **Components:**

#### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Species : Rat  
Application Route : Oral

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Dose	:	4 - 8 - 20 mg/kg body weight
NOAEL	:	4 mg/kg bw/day
LOAEL	:	8 mg/kg body weight
Method	:	OECD Test Guideline 453
GLP	:	yes
Remarks	:	Animal testing did not show any carcinogenic effects.

### **Reproductive toxicity**

Not classified based on available information.

#### **Components:**

##### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Reproductive toxicity - Assessment : Did not show teratogenic effects in animal experiments.

##### **STOT - single exposure**

Not classified based on available information.

#### **Components:**

##### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Remarks : No data available

##### **STOT - repeated exposure**

Not classified based on available information.

#### **Components:**

##### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Target Organs : Kidney  
Assessment : May cause damage to organs through prolonged or repeated exposure.

### **Repeated dose toxicity**

#### **Components:**

##### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Species	:	Rat
NOAEL	:	4 mg/kg
LOAEL	:	8 mg/kg
Application Route	:	Oral
Dose	:	4 - 8 - 20 mg/kg
Method	:	OECD Test Guideline 453
GLP	:	yes

Species	:	Rat
NOAEL	:	9 mg/kg
Application Route	:	Oral
Exposure time	:	90-day
Method	:	OECD Test Guideline 408

### **Aspiration toxicity**

Not classified based on available information.



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### 11.2 Information on other hazards

#### Endocrine disrupting properties

##### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

##### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 0,43 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,073 mg/l  
Exposure time: 48 h  
GLP: yes

Toxicity to algae/aquatic plants : ErC10 (Desmodesmus subspicatus (green algae)): 0,012 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
  
NOEC (Selenastrum capricornutum (green algae)): > 0,001 - 0,01 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 10

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,024 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211

M-Factor (Chronic aquatic toxicity) : 1

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Result: Readily biodegradable.  
Remarks: of the active solution

#### Components:

##### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

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Biodegradability : Result: rapidly biodegradable  
Biodegradation: 79 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

### 12.3 Bioaccumulative potential

#### Components:

##### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-  
octanol/water : log Pow: -0,7

### 12.4 Mobility in soil

#### Components:

##### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Mobility : Remarks: After release, adsorbs onto soil.

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

No data available

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## **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

Product : Can be incinerated or landfilled together with household waste in compliance with the regulations, and after consultation with the waste disposal services.

Contaminated packaging : Take empty packaging to the recycling plant.

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### **SECTION 14: Transport information**

#### **14.1 UN number or ID number**

**ADR** : Not regulated as a dangerous good  
**IMDG** : Not regulated as a dangerous good  
**IATA** : Not regulated as a dangerous good

#### **14.2 UN proper shipping name**

**ADR** : Not regulated as a dangerous good  
**IMDG** : Not regulated as a dangerous good  
**IATA** : Not regulated as a dangerous good

#### **14.3 Transport hazard class(es)**

**ADR** : Not regulated as a dangerous good  
**IMDG** : Not regulated as a dangerous good  
**IATA** : Not regulated as a dangerous good

#### **14.4 Packing group**

**ADR** : Not regulated as a dangerous good  
**IMDG** : Not regulated as a dangerous good  
**IATA (Cargo)** : Not regulated as a dangerous good  
**IATA (Passenger)** : Not regulated as a dangerous good

#### **14.5 Environmental hazards**

Not regulated as a dangerous good

#### **14.6 Special precautions for user**

Not applicable  
For personal protection see section 8.

#### **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable for product as supplied.

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### **SECTION 15: Regulatory information**

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 3  
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable  
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable  
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable  
Regulation (EU) 2019/1021 on persistent organic pollu- : Not applicable

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tants (recast)

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Not applicable

### **15.2 Chemical safety assessment**

Exempt

## **SECTION 16: Other information**

### **Full text of H-Statements**

H301 : Toxic if swallowed.  
H314 : Causes severe skin burns and eye damage.  
H318 : Causes serious eye damage.  
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.

### **Full text of other abbreviations**

Acute Tox. : Acute toxicity  
Aquatic Acute : Short-term (acute) aquatic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Dam. : Serious eye damage  
Skin Corr. : Skin corrosion  
STOT RE : Specific target organ toxicity - repeated exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified;

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NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### **Further information**

#### **Classification of the mixture:**

Aquatic Chronic 3

H412

#### **Classification procedure:**

Calculation method

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.