

# Safety Data Sheet

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

# 1.1 Product identifier:

# TRIC ANTYBAKTERYJNY

1.2 Relevant identified uses of the substance or mixture and uses advised against: Antibacterial liquid designed for washing and disinfecting dishes, surfaces and devices that have contact with food. Used in households, food industry and gastronomy.

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

TENZI Sp. z o.o. Skarbimierzyce 20 72-002 Dołuje tel. +48 91 3119777 fax. +48 91 3119779 E-mail address for a competent person responsible for SDS: technolog@tenzi.pl

### 1.4 Emergency telephone number:

+48 91 31 19 777 (mon. - fri. 8am - 4pm) or 112.

## **SECTION 2. HAZARDS IDENTIFICATION**

2.1.	. Classification of the substance or mixture:			
	Classification according to Regulation (EC) No. 1272/2008: Eye Dam. 1 H318 — Causes serious eye damage.			
2.2.	.2. Label elements: (According to 1272/2008/EC*)			
		Hazard symbols:		
	Signal words: DANGER			
	Hazard statements: H318	– Causes serious eye damage.		
	Precautionary stater P280 P305+P351+P338 P310	<ul> <li>ments:         <ul> <li>Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>Immediately call a POISON CENTER/doctor</li> </ul> </li> </ul>		
2.3.	Other hazards:	neet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.		



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SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS					
	3.1. Substances: Not applicable.				
3.2. Mixture Compos	s: sition (according to: 648/20	04/EC):			
<ul> <li>5-15% anionic surfactants</li> <li>&lt; 5% amphoteric surfactants</li> <li>&lt; 5% non-ionic surfactants</li> <li>aroma composition (D-Limonen, Cytral, Linalol, Eugenol)</li> <li>active substance (glutaral (glutaraldehyde), 2-Phenoxyethanol)</li> <li>auxiliary substances not classified as dangerous</li> </ul>					
	Identification	Hazardous ingredient/classification	Concentration		
CAS: WE:	68891-38-3 500-234-8	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	< 7%		
Index: Registration:	Not applicable 01-2119488639-16-XXXX	Skin Irrit. 2 H315, Eye Dam. 1 H318, Aquatic Chronic 3 H412	~ 7 70		
CAS: WE:	Not available Not available Not applicable 01-2119513359-38-XXXX	1-Propanaminium, 3-amino-N-(carboxymethyl) -N,N-dimethyl-, N- (C12-18(even numbered) acyl) derivs., hydroxides, inner salts	< 3%		
Index: Registration:		Eye Dam. 1 H318, Aquatic Chronic 3 H412	< 3%		
CAS: WE:	863679-20-3 Not available	2-Phenoxyethanol (active substance)	≤ 0.5%		
Index: Registration:	Not applicable Introductory	Acute Tox. 4 H302, Eye Irrit. 2 H319	≤ 0.5%		
CAS: WE:	69011-36-5 Polymer	Isotridecanol, ethoxylated	0.404		
Index: Registration:	Not applicable 01-2119976362-32-XXXX	Acute Tox. 4 H302, Eye Dam. 1 H318	< 0.4%		
CAS: WE:	111-30-8 203-856-5	Glutaral (glutaraldehyde) - active substance			
Index: Registration:	605-022-00-X 01-2119433307-44-XXXX	Eye Dam. 1 H318, Acute Tox. 3 H301, Acute Tox. 3 H331, Skin Corr. 1B H314, Resp. Sens. 1 H334, Skin Sens. 1 H317, Aquatic Acute 1 H400, Aquatic Chronic 2 H411, Met. Corr. 1 H290	≤ 0.4%		

The full texts of H symbols and phrases are in section 16.

SECTION 4. FIRST AID MEASURES

## 4.1. Description of first aid measures:

### Eye contact:

Flush eyes with running water (at least 15 minutes) while keeping eyelids open. Get medical attention.

### Ingestion:

DO NOT induce vomiting. Give lots of water to drink.

If symptoms persist (stomach ache, nausea), get medical attention and show them this SDS or product's label.

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

### Eyes:

Causes serious eye damage.

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

Get medical attention.

Fresh water and eye-wash preparations must be available on the worksite.

# **SECTION 5. FIREFIGHTING MEASURES**

### 5.1. Extinguishing media:

### Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and surrounding environment.

### Unsuitable extinguishing media:

There are not any known extinguishing media that you shouldn't use.

**5.2.** Special hazards arising from the substance or mixture: Product is non-flammable..

## 5.3. Advice for firefighters:

Firefighters should wear self-contained breathing apparatus and full protective clothing. In case of fire, warn the people nearby and evacuate unprotected and untrained personnel from hazard area. Notify relevant emergency services. If possible, remove the containers away from the influence of fire and high temperature. Water may be used to keep fire-exposed containers cool until fire is out. The after burning residues should be removed

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

6.1. Personal precautions, protective equipment and emergency procedures:

# For non-emergency personnel: Safety glasses.

#### For emergency responders: Safety glasses. Avoid direct contact with eyes.

# 6.2. Environmental precautions:

No data available.

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

In case of unexpected release of the substance into the environment, inform appropriate services about the emergency and remove any source of ignition. Prevent spills from entering sewers, surface water or groundwater. If it is possible, confine and contain the spill by closing the flow of the liquid, plug the damaged container and put it into leakproof wrapping. For a larger spill, make a dike around the outside edges of the spill and use absorbent materials (sand, sawdust, minced limestone). Store clean-up materials for disposal as hazardous waste. Decontaminate polluted area with water.



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## 6.4. Reference to other sections:

See section 8 and 13.

# SECTION 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling:

Use personal protection recommended in section 8 Mix only with water. DO NOT mix with any other chemical substances. People with skin allergy or respiratory system problems should not have contact with this product. Avoid risk – read this instruction sheet carefully before using the product. After usage, keep container tightly closed and keep it away from unauthorized people. Use only adequate ventilation to avoid inhalation poisoning.

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

Store in a tightly closed, original plastic container. Store this product in a dry environment that will be maintained at 5°C - 35°C temperature with a good ventilation system and an easy washable, nonabsorbable alkaline resistant floor. DO NOT expose the product to sunlight and keep away from heat, sparks, flame and source of ignition.

# 7.3. Specific end use(s):

No data available.

# **SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

## 8.1. Control parameters:

Please check any national occupational exposure limit values in your country.

NDS/NDSCh/NDSP values for individual chemical substances (according to SDS or Chemical Safety Report):

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (data for highly concentrated substance): NDS, NDSCh, NDSP: not identified

1-Propanaminium, 3-amino-N-(carboxymethyl) -N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts (data for highly concentrated substance): NDS, NDSCh, NDSP: not identified

2-Phenoxyethanol (data for highly concentrated substance): NDS, NDSCh, NDSP: not identified

Isotridecanol, ethoxylated (data for highly concentrated substance): NDS, NDSCh, NDSP: not identified

Glutaral (glutaraldehyde) (data for highly concentrated substance):

NDS:	0.4 mg/m <sup>3</sup>	8 h
NDSCh:	0.6 mg/m <sup>3</sup>	15 min
NDSP:	not identified.	



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### DNEL /PNEC values for individual chemical substances (according to SDS or Chemical Safety Report):

#### Alcohols, C12-14, ethoxylated, sulfates, sodium salts (data for highly concentrated substance):

### DNEL:

Group: workers, Exposure time: long-term, Exposure route: dermal, Type of effect: systemic effect, Group: workers, Exposure time: long-term, Exposure route: inhalation, Type of effect: systemic effect, Group: workers, Exposure time: long-term, Exposure route: inhalation, Type of effect: local effect, Group: consumers, Exposure time: long-term, Exposure route: dermal, Type of effect: systemic effect, Group: consumers, Exposure time: long-term, Exposure route: inhalation, Type of effect: systemic effect, Group: consumers, Exposure time: long-term, Exposure route: inhalation, Type of effect: systemic effect, Group: consumers, Exposure time: long-term, Exposure route: ingestion, Type of effect: systemic effect, Group: consumers, Exposure time: long-term, Exposure route: inhalation, Type of effect: local effect, Group: consumers, Exposure time: long-term, Exposure route: inhalation, Type of effect: local effect, Group: consumers, Exposure time: long-term, Exposure route: inhalation, Type of effect: local effect, Group: consumers, Exposure time: long-term, Exposure route: inhalation, Type of effect: local effect, Group: consumers, Exposure time: long-term, Exposure route: inhalation, Type of effect: local effect, Group: consumers, Exposure time: long-term, Exposure route: inhalation, Type of effect: local effect, Value: 170 mg/kg Value: 12 mg/m<sup>3</sup> Value: 12 mg/m<sup>3</sup> Value: 85 mg/kg Value: 3 mg/m<sup>3</sup> Value: 0.85 mg/kg Value: 3 mg/m<sup>3</sup>

#### PNEC:

Aqua (fresh water):	0.287 mg/l
Aqua (marine water):	0.0287 mg/l
Sediment (fresh water):	0.287 mg/kg
Sediment (marine water):	0.287 mg/kg
Sewage treatment plant:	3.43 mg/l
Intermittent release:	0.0167 mg/l
Soil:	35 mg/kg

1-Propanaminium, 3-amino-N-(carboxymethyl) -N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts (data for highly concentrated substance):

### DNEL:

Group: workers, Exposure time: long-term, Exposure route: dermal, Type of effect: systemic effect, Group: workers, Exposure time: long-term, Exposure route: inhalation, Type of effect: systemic effect, Group: consumers, Exposure time: long-term, Exposure route: dermal, Type of effect: systemic effect, Group: consumers, Exposure time: long-term, Exposure route: ingestion, Type of effect: systemic effect,

#### Value: 12.5 mg/kg Value: 44 mg/m<sup>3</sup> Value: 7.5 mg/kg Value: 7.5 mg/kg

#### PNEC:

Aqua (fresh water):	0.0135 mg/l
Aqua (marine water):	0.00135 mg/l
Sediment (fresh water):	1 mg/kg
Sediment (marine water):	0.1 mg/kg
Sewage treatment plant:	3000 mg/l
Soil:	0.8 mg/kg

### 2-Phenoxyethanol (data for highly concentrated substance):

DNEL and PNEC levels not available.

**Isotridecanol, ethoxylated (data for highly concentrated substance):** DNEL and PNEC levels not available.

Glutaral (glutaraldehyde) (data for highly concentrated substance):

DNEL, PNEC: no data available

**NOTE:** When the concentration of substance is known, personal protective equipment should be chosen based on substance concentration in a workplace, exposure time and operations performed by the employee. In emergency situations, if substance concentration in the workplace is unknown, personal protection of highest class level should be used.

#### 8.2. Exposure controls:

**RESPIRATORY PROTECTION:** Not needed.

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HAND PROTECTION: Not needed.

**EYE/FACE PROTECTION:** Safety glasses.

SKIN PROTECTION: Not needed.

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties:

	•	1
	Appearance:	Liquid
	Odour:	Characteristic for aroma composition used in production
	Odour threshold:	No data available
	pH:	7±1
	Melting point:	No data available
	Freezing point:	No data available
	Initial boiling point:	No data available
	Boiling range:	No data available
	Flash point:	No data available
	Evaporation rate:	No data available
	Flammability (solid, gas):	No data available
	Upper flammability limit:	No data available
	Lower flammability limit:	No data available No data available
	Upper explosive limit: Lower explosive limit:	No data available
	Vapour pressure:	No data available
	Vapour pressure. Vapour density:	No data available
	Relative density:	$1.027 \pm 0.020 \text{ g/cm}^3$
	Relative delisity.	$1.027 \pm 0.020$ g/cm
	Solubility:	
	A) Water:	soluble
	B) Organic solvent:	No data available
	_, • · g• • • • • • • • • •	
	Partition coefficient N-Octan:	No data available
	Partition coefficient Water:	No data available
	Auto-ignition temperature:	No data available
	Decomposition temperature:	No data available
	Viscosity:	No data available
	Explosive properties:	No data available
	Oxidising properties:	No data available
9.2.	Other information:	
	Refractive index: 11% Brix ± 5	%

<sup>\*</sup> - Degrees Brix is the content of an aqueous solution. One degree Brix is 1 gram of sucrose in 100 grams of solution and represents the strength of the solution as percentage by weight (%w/w).



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**SECTION 10. STABILITY AND REACTIVITY** 

### **10.1 Reactivity:** No data available.

### **10.2 Chemical stability:** Stable under recommended storage conditions (see section 7).

- **10.3 Possibility of hazardous reactions:** No data available.
- **10.4 Conditions to avoid:** Avoid heavily warmed rooms (above 45°C) without ventilation and long-term exposure to sunlight.
- **10.5 Incompatible materials:** No data available.
- **10.6 Hazardous decomposition products:** No data available.

# **SECTION 11. TOXICOLOGICAL INFORMATION**

### 11.1 Information on toxicological effects:

#### ACUTE TOXICITY: Eve contact: causes

**Eye contact:** causes serious eye damage.

ATEmix = 26797 (acute toxicity, ingestion) ATEmix = 3750 (acute toxicity, inhalation)

## DETAILS OF PARTICULAR COMPONENTS (according to substances SDS):

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (data for highly concentrated substance):

LD50:	1470 mg/kg	(rat, orally)
LD50:	2000 mg/kg	(rat, dermal)

Slightly irritates skin. Strongly irritates eyes.

1-Propanaminium, 3-amino-N-(carboxymethyl) -N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts (data for highly concentrated substance):

LD50:	2430 mg/kg	(rat, orally)
LD50:	> 620 mg/kg	(rat, orally)

Irritates skin. Causes serious eye damage.

2-Phenoxyethanol (data for highly concentrated substance):

LD50: 1250 mg/kg (rat, orally)



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LD50:	> 2000 mg/kg	(rabbit, dermal)
NOEL:	1000 mg/kg	(rat, orally)

Isotridecanol, ethoxylated (data for highly concentrated substance):

LD50: 500-2000 mg/kg (rat, orally)

Strongly irritant to eyes (rabbit).

Glutaral (glutaraldehyde) (data for highly concentrated substance):

LD50:	200 mg/kg	(rat, orally)
LC50:	> 2000 mg/kg	(rat, inhalation)
LC50:	1749 mg/kg	(rabbit, inhalation)
LC50:	480 mg/m³/4h	(rat, inhalation)
NOEL:	5 mg/kg/90days	(rat, orally)

# **SECTION 12. ECOLOGICAL INFORMATION**

### 12.1. Toxicity:

Data for the mixture ingredients:

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (data for highly concentrated substance):

EC50:	1-10 mg/l/96h	(fish, Lepomis macrochirus)
EC50:	1-10 mg/l/48h	(daphnia)
IC50:	1-10 mg/l	(algae)

1-Propanaminium, 3-amino-N-(carboxymethyl) -N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts (data for highly concentrated substance):

EC50:	1.9 mg/l/96h	(daphnia)	(OECD 202)
ErC50:	2.4 mg/l/72h	(algae)	
ErC50:	7 mg/l/72h	(daphnia)	(ISO)
LC50:	1.11 mg/l/96h	(fish)	(OECD 203)
EC50:	3000 mg/l/16h	(bacteria)	(ISO)
NOEC:	0.3 mg/l/21days	(daphnia	(OECD 211)
NOEC:	0.135 mg/l/100days	(fish)	(OECD 210)
NOECr:	0.6 mg/l/72h	(algae)	

### 2-Phenoxyethanol (data for highly concentrated substance):

LC50:	> 100 mg/l/96h	(fish)
EC50:	> 500 mg/l/48h	(daphnia)
EC50:	> 500 mg/l/72h	(algae)
EC10:	320 mg/l/17h	(bacteria)

**Isotridecanol, ethoxylated (data for highly concentrated substance):** No data available.



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## Glutaral (glutaraldehyde) (data for highly concentrated substance):

EC50:	5 mg/l/48h	(daphnia, Daphnia magna)
IC50:	0.81 mg/l/120h	(algae, Selenastrum capricornutum)
LC50:	5.4 mg/l/96h	(fish, Pimphales pro melas)

## 12.2. Persistence and degradability:

The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents.

### Data for the mixture ingredients:

Substance	Method	Length	Degraded percentage
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	OECD 301	28 days	> 60%
1-Propanaminium, 3-amino-N- (carboxymethyl) -N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts	OECD 306	28 days	76%
1-Propanaminium, 3-amino-N- (carboxymethyl) -N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts	ISO	60 days	80-90%
1-Propanaminium, 3-amino-N- (carboxymethyl) -N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts	EU 92/69/EWG	28 days	95%
2-Phenoxyethanol	Closed bottle test	20 days	75%
Isotridecanol, ethoxylated	EU EEC C.4-E 301D	28 days	85.6%
Glutaral (glutaraldehyde)	OECD 301 D	28 days	74%

# 12.3. Bioaccumulative potential:

Bioaccumulation is incredible - data based on mixture's ingredients.

## 12.4. Mobility in soil

The product is water soluble and may sink into groundwater systems.

### 12.5. Results of PBT and vPvB assessment:

This substance/mixture does not meet the PBT and vPvB criteria of REACH, annex XIII..

# 12.6. Other adverse effects:

No data available.



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**SECTION 13. DISPOSAL CONSIDERATIONS** 

# **RESIDUES AND WASTES:**

DO NOT mix with other liquid wastes.

DO NOT empty into sewage system. Product should be totally used up according to its description.

If it's impossible to do so, dispose of this material and its container at hazardous or special waste collection point.

### 13.1. Waste treatment methods:

Contaminated containers should be completely emptied. Several times rinse the container promptly after emptying. Empty container can be stored in containers for collection of plastic packaging, or can be delivered to specialized company for recycling.

Disposal should be in accordance with the national/international regulations.

# **SECTION 14. TRANSPORT INFORMATION**

### TRADE NAME: TRIC ANTYBAKTERYJNY

14.1. UN Number:Not applicable.14.2. UN proper shipping name:Not applicable.14.3. Transport hazard class(es):Not applicable.14.4. Packing group:Not applicable.14.5. Environmental hazards:No.14.6. Special precautions for user:For more details see Sections 6 and 8.14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: No data available.

WARNING LABELS not applicable

# **SECTION 15. REGULATORY INFORMATION**

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

1) COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

2) REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents.

 COMMISSION REGULATION (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII thereto.
 REGULATION (EC) No 1336/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008

4) REGULATION (EC) No 1336/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 amending Regulation (EC) No 648/2004 in order to adapt it to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

5) COMMISSION REGULATION (EC) No 551/2009 of 25 June 2009 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation).

6) REGULATION (EU) No 259/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 14 March 2012 amending Regulation (EC) No 648/2004 as regards the use of phosphates and other phosphorus compounds in consumer laundry detergents and consumer automatic dishwasher detergents.

7) REGULATION (EC) No 273/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 February 2004 on drug precursors).

8) REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and



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1999/45/EC, and amending Regulation (EC) No 1907/2006.

### 15.2. Chemical safety assessment

For mixture:

A Chemical Safety Assessment has not been carried out.

## For mixture's ingredients:

Propanaminium, 3-amino-N-(carboxymethyl)-N, N-dimethyl-, N-(C12-18) acyl derivatives, hydroxides, inner salts, water		
solution:	A Chemical Safety Assessment has been carried out.	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts:	A Chemical Safety Assessment has been carried out.	
2-Phenoxyethanol:	A Chemical Safety Assessment has been carried out.	
Isotridecanol, ethoxylated:	A Chemical Safety Assessment has been carried out.	
Glutaral (glutaraldehyde):	A Chemical Safety Assessment has been carried out.	
	-	

# **SECTION 16. OTHER INFORMATION**

Information above is based on current knowledge of product in its current form.

All data are presented in order to take into account safety requirements priority and not to guarantee special properties of the product. If product usage conditions are not under manufacturer control, responsibility for safe use lies with the person that uses them. The employer is obliged to inform all employees, who have contact with the product, about the risk and safety measures specified in the data sheet. Safety data presented above were prepared based on safety characteristics of substances used by the producer to compose the product and based on regulations for handling dangerous substances and their preparation. Classification of chemical mixture was done with calculation methods, based on the content of hazardous ingredients.

## The full list of symbols and H phrases from Section 2 and 3:

Aquatic Acute 1 Aquatic Chronic 2 Aquatic Chronic 3 Acute Tox. 3 Acute Tox. 4 Eye Dam. 1 Eye Irrit. 2 Met.Corr 1 Skin Irrit. 2 Skin Corr. 1B Resp. Sens 1 Skin Sens 1	<ul> <li>Hazardous to the aquatic environment - Acute Hazard, category 1</li> <li>Hazardous to the aquatic environment - Chronic Hazard, category 2.</li> <li>Hazardous to the aquatic environment - Chronic Hazard, category 3.</li> <li>Acute toxicity, category 3.</li> <li>Acute toxicity, category 4.</li> <li>Serious eye damage, category 1.</li> <li>Causes serious eye irritation, category 2.</li> <li>Substance/Mixture is corrosive to metals, category 1</li> <li>Causes skin irritation, category 2.</li> <li>Corrosive to skin, category 1B.</li> <li>Allergic respiratory reaction, category 1.</li> </ul>
H290 H301 H302 H314 H315 H317 H318 H319 H331 H334 H400 H411 H412	<ul> <li>May be corrosive to metals.</li> <li>Toxic if swallowed.</li> <li>Harmful if swallowed.</li> <li>Causes severe skin burns and eye damage.</li> <li>Causes skin irritation.</li> <li>May cause an allergic skin reaction.</li> <li>Causes serious eye damage.</li> <li>Causes serious eye damage.</li> <li>Causes serious eye irritation.</li> <li>Toxic if inhaled.</li> <li>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</li> <li>Very toxic to aquatic life.</li> <li>Toxic to aquatic life with long lasting effects.</li> <li>Harmful to aquatic life with long lasting effects.</li> </ul>



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More information on the product can be found on the specific technical data sheet which is available on www.tenzi.pl

### Training:

Course participants should be trained about how to handle this hazardous substance, about safety and work hygiene. Drivers should also be trained and obtain proper certification in accordance with the ADR requirements.

### Expiry date:

36 months from the production date (if product is stored according to the producent recommendations)

This Safety Data Sheet contains 12 pages. Changes in the content by unauthorized people is prohibited.