Safety Data Sheet

According to REGULATION 1907/2006/EC
Version 2
Date 17 / 10 / 2018

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: **Zeo Tex**

1.2 Use of the substance / mixture

Use of the substance/mixture: Liquid for cleaning carpets

1.3 Details of the supplier of the safety data sheet

ZEO TEC HELLAS GROUP IKE
SPARTIA AREA, SESKLO VOLOS
Tel. 2421095212
FAX: 2421095212
Postcode: 38500
E-MAIL : zthellasgroup@gmail.com

1.4 Emergency telephone number

Emergency telephone number: 210 -7793777

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

Eye irritation Cat. Eng. 2,H319

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Pictogram

Signal word: Attention

Hazard statement(s)(recognized): H

H319: Causes serious eye irritation

Precautionary Statement(s)

P102: Away from children.

P305 + P351 + P338: IN CASE OF EYE CONTACT: Rinse thoroughly with water for several minutes. If there are contact lenses, remove them, if it is easy. Keep rinsing.

P301 + P310: IF SWALLOWED: Call immediately Emergency telephone number or a doctor.

2.3 Additional Hazard Statements

Other hazards
No other dangers.
The product does not fulfill the criteria as PBT or vPvB according to the requirements of Regulation No 1907/2006 (EC), Annex XIII.

Section 3: Composition/ information on ingredients

3.1 Mixtures

Hazardous ingredients

CAS No/EC	Ingredient	Number Reach	Classification in accordance with 1272/2008/EC	Concentration
64-02-8	Ethylenediaminetetraacetic acid,Tetrasodium salt	01-2119486762-27	Acute Tox. 4 - H302 Eye Dam. 1 - H318 Specific Target Organ Toxicity - Repeated Exposure, 2, Respiratory Tract, H373	0% - 5%
111905-53-4	Ethoxylated alcohol 4	02 2119552554-37	Skin Corr./Irrit. 2 Eye Dam. /Irrit. 2,	0% - 5%

			H319, H315	
EC: 939-625-7	Alkane C6-C8 (even numbered), 1-sulphonic acid sodium salt	01-2119985168-23-0000	Skin Corr./Irrit. 2 Eye Dam. /Irrit. 2, H319, H315	0% - 5%

Section 4: First aid measures

4.1 Description of first aid measures

If inhaled: In case of inhalation, move to fresh air and put the patient at a constant lateral position.

In case of skin contact:

Immediately remove contaminated clothes and shoes. Wash with soap and water.

In case of eye contact:

Rinse with plenty of water for several minutes and keep your eyelids open.

If swallowed: Clean mouth with water and drink afterwards plenty of water.

4.2 Main symptoms and effects, acute and subsequent

Not available.

4. Indication of any immediate medical attention and special treatment needed

Not available.

Section 5: Firefighting Measures

5.1 Firefighting equipment

Appropriate firefighting equipment.

Fire dust, mousse, sand, water spray.

5.2 Specific hazards arising from the substance or mixture

Nitrogen oxides (NOx), carbon monoxide (CO), sulfur dioxide (SO2) may be released in case of fire

5.3 Recommendations for firefighters

Do not try to combat fire without the appropriate protective equipment:

Wear self-contained breathing apparatus. Remove all people from the incident.

Special protective equipment:

Wear protective extinguishing clothing (garments, helmets, footwear, gloves) according to the European Standard EN 469.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

The product, in contact with water, can form slippery mattresses.

There is high risk of slipping after spill or leakage.

6.2 Environmental precautions:

Prevent further leakage and dissipation, if it is possible without risk. Do not flush into surface water or sanitary sewer system. The depuration in environment must be avoided. If the product contaminates the environment, inform respective authorities.

6.3 Methods and materials for restriction and cleaning:

Stop leaking.

Dispose of contaminated materials according to the current regulations.

6.4 Reference to other sections

For information for safe handling, see section 7.

For information for personal protective equipment, see section 8.

Information for disposal, see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Keep containers tightly closed.

Advice on protection against fire and explosion:

No special measures are required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Stored at temperatures below 30°C.

Compatible packaging materials: stainless steel, plastic.

Instructions materials together on storing: Keep separately from oxidizing substances.

Further statements about the storage conditions:

None

7.3 Specific end use(s):

Not available.

Additional instructions on configuring technical installations:

No other recommendations. See section 7.

Section 8: Exposure controls/personal protection

8.1 Control Parameters

Components with workplace control parameters which must be monitored:

ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT

DNEL Source of basic data: IUCLID 5 datasheet:

Secondary level without consequences for workers with acute local respiratory exposure (mg/m3) / Secondary level without consequences for workers with acute systemic respiratory exposure (mg/m3): 2.8

Secondary level without consequences for the general population with acute local/systemic respiratory exposure (mg/m3): 1.7

Secondary level without consequences for the general population with
Long-term systemic oral report (mg/kg bw/day): 28
PNEC Source of basic data: IUCLID 5 datasheet:
Predicted concentration without effect on fresh water (mg/l): 2.8
Predicted concentration without effect on seawater (mg/l):0.28
Predicted concentration without effects in case of uninterrupted release (mg/l): 1.6
Predicted concentration without effects on processing factory waste (mg/l): 57
Predicted concentration without effects on soil (mg/kg): 0.95

Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt

DNEL WORKERS
Long term exposure - systemic effects, Inhalation : DNEL = 30,32 mg/m3
Long term exposure - systemic effects, Dermal : DNEL = 430 mg/Kg/day
DNEL GENERAL POPULATION
Long term exposure - systemic effects, Inhalation : DNEL = 7,48 mg/m3
Long term exposure - systemic effects, Dermal : DNEL = 2159 mg/Kg/day
Long term exposure - systemic effects, Oral : DNEL : 2,15 mg/Kg/day
PNEC WATER
PNEC (freshwater) :0,1 mg/L
PNEC (marine water): 0,01 mg/L
PNEC (intermittent releases) : 1 mg/L
PNEC SEDIMENT
PNEC (freshwater) : 1,109 mg/Kg
PNEC (marine water) : 0,1109 mg/Kg
PNEC SOIL
PNEC (soil) : 0,163 mg/Kg
PNEC SEWAGE TREATMENT PLANT
PNEC (STP) : 31,3 mg/L

8.2 Exposure controls
Personal protective equipment:
General protective and sanitary measures:
During the use of the material, do not eat, drink, smoke. Keep away from food, drink and animal's food.
Remove immediately dirty, wet clothes. Wash hands before breaks and at the end of work. Avoid skin and eye contact.
Respiratory protection:
No respiratory protection is required.
Hand protection:
Wear protective gloves. The material of gloves must be impenetrable and resistant to the product.
Due to no realization of tests, no specific material of gloves for the product can be proposed.

Choose the material of glove, taking into account the penetration time, the extent permeability and degradation.

Material of gloves

Rubber Nitril.

The choice of an appropriate glove depends not only on its material, but also on other quality features which differ from one manufacturer to another according to EN 374.

Breakthrough time of the material of gloves

For mixtures of the following listed chemicals the breakthrough time should be at least 480 minutes (Permeability according to EN 374). The exact breakthrough time is given by the manufacturer of the protective gloves and should always be respected.

Eye protection:

Absolutely tightly fitting safety goggles.

Skin and body protection:

Wear suitable protective clothing.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Appearance: form:	**Liquid**
Color:	**Various**
Odour:	**Characteristic**
Odour threshold:	**-**
PH at 20 °C	**11± 0.5**
Melting point/liquidation limits:	**>300 °C**
Boiling point/boiling limits:	**>400 °C**
Flashpoint :	**The substance does not ignite.**
Decomposition Temperature:	**Unusable .**
Risk of flammability	**No risk of flammability.**
Explosion hazard of the product:	**No explosion hazard.**
Explosion limits:	
Lower:	**It does not exist.**
Upper:	**It does not exist.**
Steam pressure:	**Unusable**
Density at 20 °C:	**1,02 g/cm³**
Relative density	**Non-defined.**
Vapor Density	**Unusable**
Evaporation Speed	**Unusable**
Solubility in water at 20 °C:	**Full**

Distribution factor (n-octanol/H2O) to 23°C	**-**
Viscous capacity:	
Dynamic:	**Unusable**
Kinematics	**Unusable**

9.2 Other information

There is no other relevant information

Section 10: Stability and reactivity

10.1 Reactivity

There are no elements.

10.2 Chemical stability

Thermal decomposition / conditions to avoid:

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

There is no other relevant information.

10.5 Incompatible materials:

There is no other relevant information

Section 11: Toxicological information

11.1 Information on toxicological effects

Ethoxylated alcohol 4

Acute toxicity

Experimental data/ by calculation:

LD50 rat (oral): > 2,000 mg/kg

Irritating effects

Experimental data/ by calculation:

Skin irritation / rabbit: irritating (OECD - Directive 404)

Eye damage / rabbit: irritating (OECD - Directive 405)

Ethylenediaminetetraacetic acid, Tetrasodium salt

Direct toxicity

Oral LD-50

1780 mg/kg (No guidelines were followed.)

Dermal LD-50

There are no data available

Inhalation LC50

According to junction of information (ethylenediaminetetraacetic acid disodium salt): 1000< 4- h-LC50
< 5000 mg/m3 (similar to: OECD 403)
Irritation
Skin: Non-irritating (OECD 404)
Eye: Irritating to eyes (similar to: OECD 405)
Respiratory system: Non-irritating (based on: acute inhalation test) (OECD 403)
Sensitisation
According to junction of information (ethylenediaminetetraacetic acid disodium salt): Sensitizing (OECD 406)
Genotoxicity
According to junction of information (hydroethylenediaminetriacetic acid of trisodium citrate):
Ames test: Negative (OECD 471).
Chromosome Aberration Test: Negative (OECD 473).
Test Lymfoma of Mouse: Negative (OECD476).
Test micronucleus test on animals: Negative (OECD 474).
Chronic toxicity/carcinogenicity
Acute oral toxicity:
According to junction information (ethylenediaminetetraacetic acid disodium salt): 90-DAY: Non-noticed level of adverse effects: 500 mg/kg (general signs of toxicity – No guidelines were followed)
According to junction of information (hydroethylenediaminetriacetic acid of trisodium citrate):
104 – week: Non-noticed level of adverse effects: >= 500 mg/kg (No guidelines were followed.)
Acute inhalation toxicity:
According to junction of information (ethylenediaminetetraacetic acid disodium salt):
5-day: Lowest observable adverse effect concentration (LOAEC): 30 mg/m3 (respiratory tract pathology)
(OECD 412).
Reproduction toxicity:
According to junction of information (ethylenediaminetetraacetic acid, calcium disodium-complex):
Oral, NOAEL play: >= 250 mg/kg (No guidelines were followed).
According to junction of information (several EDTA compounds): developmental effects seen at high oral doses only. NOAEL development: not found (No guidelines were followed.)
Neurotoxicity test: There is no specific information available.
Other toxicological information
Chronic toxicity (dermal): No data available.
Additional Information
The substance is extremely destructive to tissues of mucous membranes and the upper respiratory street, eyes and skin.

Alkane C6-C8 (even numbered), 1-sulphonic acid sodium salt

DL50: > 1550 mg/kg (rats)
DL50: > 2000 mg/kg (rats)
Initial irritation
Skin: Irritating effects to skin and mucous membranes.
Eye: Irritating.
Sensitisation: No skin sensitisation (data available).
Repeated dose toxicity
NOAEL (oral/subchronic: rat): 430 mg/kg/jour target organs: liver

Section 12: Ecological Information

Ethoxylated alcohol 4

12.1. Toxicity
Acute toxicity to fish:
LC50 (48 h) 1 - 10 mg/l, Leuciscus idus
Aquatic Invertebrates:
EC50 (48 h) 1 - 10 mg/l
LC0 1 - 10 mg/l
Microorganisms/influence on the activated sludge:
EC10 > 1,000 mg/l, activated sludge (DEV-L2)
12.2 Persistence and degradability
Information on eradication:
>= 90 % active ingredient bismuth (MOD. Oecd 301E)
> 60 % BOD of ThOD (28 d) (Directive OECD 301 F) easily biodegradable.
12.3 Bioaccumulative Potential
Bioaccumulative potential:
No bioaccumulation of organisms.
12.4. Mobility in soil
Risk assessment of distribution among environmental compartments.:
The substance will not evaporate into the atmosphere from the surface of the water.
It is possible to be absorbed in solid phase of the soil.
12.5 Results of PBT and vPvB assessment
According to Annex XIV of Regulation (EU) No.1907/2006 for chemical substances, REACH (Registration, Evaluation, Authorisation and Acronym for of Chemicals): The product does not contain any substance which corresponds to the criteria PBT (persistent, bioaccumulative, toxic) or vPvB
(very persistent / very bioaccumulative). See classification.
12.6. Other negative effects
The product does not contain substances according to Regulation (EC) 1005/2009 that destroy the ozone layer.
12.7. Additional Information
Cumulative Factor
Chemical Oxygen Demand (COD): 2,160 mg/g
Absorbable organic bound halogen (AOX):

This product does not contain organic bound halogen.
Other eco-toxicological advice:
It should not be expected suspension of degradative action of activated sludge
when there is correct import of small concentrations.

ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT
Eco-toxicological information
Ethylenediaminetetraacetic acid, Tetrasodium salt: not dangerous to the environment.
PBT or vPvB: not
Fish
According to junction of information (several EDTA compounds):
Lepomis macrochirus, 96- h-LC50 > 1000 mg/l (No guidelines were followed.)
According to junction of information (ethylenediaminetetraacetic acid, calcium disodium-complex):
Brachydanio rerio, 35-Day: Concentration of non-noticed level of effects (NOEC) >= 25.7 mg/l (OECD 210)
Daphnia
According to junction of information (ethylenediaminetetraacetic acid disodium salt):
Daphnia magna, 48- h-EC50: 140 mg/l (DIN 38412, 11)
According to junction of information (ethylenediaminetetraacetic acid disodium salt):
Daphnia magna, 21-Day: Concentration of non-noticed level of effects (NOEC): 25 mg/l (Guideline:
EEC XI/681/86, Draft: 4)
Seaweed
According to junction of information (ethylenediaminetetraacetic acid, complex ferrous sodium):
Desmodesmus subspicatus and Pseudokirchnerella subcapitata, 72- h-EC50 > 300 mg/l (OECD 201)
Bacteria
According to junction of information (ethylenediaminetetraacetic acid disodium salt):
30-OJ 1976 EC20 > 500 mg/l (OECD 209)
PBT or vPvB: Not
Luck
Abiotic Decomposition
Time of halflife: 20 days. It is expected to be resistant to hydrolysis.
Biotic Decomposition
Bioaccumulation
Lepomis macrochirus, flow through, 28-Day, 1< Factor of bioconcentration (BCF) <2 (No guidelines were followed.)

Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt

Toxicity
Aquatic toxicity:
fish, CL50:> 100 mg / l

daphnia, CE50:> 100 mg / l
algae, NOEC: 6.25 mg / l
Resilience and degradation
Other indications:
The product readily dissolves biologically.
Further ecological indications:
General instructions:
May not penetrate into groundwater, discharge into aquatic environment or drainage.
Results of the PBT and αAαB assessment
PBT:
Not applicable
AAbB:
Not applicable
Other negative effects
No other relevant information is available

Section 13: Disposal considerations

Disposal is carried out in accordance with the European Waste and Hazardous Waste Directives waste. Waste codes must be set by the user as much as possible consultation with waste disposal services.

13.1 Waste management methods

Product:

If recycling is not possible, the treatment is done according to local authority instructions. Disposal of waste occurs at approved waste disposal companies.

Uncleaned packaging:

Disposed of as unused product. Empty containers must be transported to an approved container
licensed waste management organization for recycling or disposal. Do not use them again empty containers. Run in accordance with state and European regulations.

Instructions for Choosing a Waste Code:

Wastes containing dangerous substances. If the product is further processed, the end user will need to redefine and give it the most appropriate European Waste Catalog Code. It is an obligation of their creator waste to determine its toxicity and physical properties, identity and identity methods of disposal of waste generated, in compliance with the applicable European Directive 2008/98 / EC) and local regulations.

Cleaning agent:

Water.

Section 14: Transport information

The transport of the product in containers of the company is safe and does not require any additional precautions.

14.1 UN Number	**Unusable.**
ADR, ADN, IMDG, IATA	**-**
14.2 Proper shipping name	**Unusable.**
ADR, ADN, IMDG, IATA	**-**
14.3 Transport hazard class	**Unusable**
ADR, ADN, IMDG, IATA	
Class	**-**
14.4 Packing Group	**Unusable**
ADR, IMDG, IATA	**-**
14.5 Environmental hazards:	
Environmentally dangerous:	**Not**
14.6 Special precautions for user	**Unusable**

Section 15: Regulatory information

15.1 Safety, health and environmental regulations / legislation for the environment substance or mixture

Regulation (EE) 2015/830
CLP Regulation 1272/2008 / EC
REACH Regulation 1907/2006 / EC
Detergents Regulation 648/2004 / EC
Council Directive 98/24 / EC of 7 April 1998 on the protection of health and safety of Employees at Work from Risks Due to Chemical Factors
Directive 94/33 / EC on the protection of young people at work, as amended and in force.
Directive 92/85 / EEC on the implementation of measures to improve health and safety at work Safety at Work of Pregnant Workers, as amended and in force.
Components according to the Detergents Regulation 648/2004 / EC
It contains among others less than 5% anionic nonionic surfactants and EDTA Na.
Contains preservative METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE. May cause an allergic reaction.

15.2 Chemical Safety Assessment

A chemical safety assessment for the mixture has not been carried out

Section 16: Other information

For full text of the R-, H- and EUH- phrases mentioned, see section 3.

H373: May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
H332: Harmful if swallowed.
H319: Causes serious eye irritation.
H315: Causes skin irritation.

H318: Causes serious eye damage.
Skin Corr./Irrit. Skin Corrosion/Irritation
Eye Dam. /Irrit. Severe ocular damage/irritation
Acute Tox. Acute toxicity

Footnotes and Acronyms:

ADN - European Agreement concerning the International Carriage of Dangerous Goods through inland waterways; ADR - European Agreement on International Road Transport dangerous goods? AICS - Australian Index of Chemicals? ASTM - American Material Testing Company? bw - Body weight? CLP - Regulation Classification, Labeling and Packaging, Regulation (EC) 1272/2008; CMR - Carcinogenic, mutagenic or toxic for reproduction? DIN - Model of German Institute for Standardization? DSL - List of household substances (Canada); ECHA - European Chemicals Agency; EC-Number - European Community Number? ECx - Concentration associated with response x%? ELx - Rate of charge is associated with x% response? EmS - Emergency schedule? ENCS - Existing and new chemicals (Japan)? ErCx - Concentration associated with rate response increase x%; GHS - Global Harmonized System? GLP - Good laboratory practice? IARC - International Agency for Cancer Research; IATA - International Air Transport Association; IBC - International Code for the construction and equipment of ships carrying dangerous goods chemical bulk? IC50 - Half maximum inhibitory concentration; ICAO - International Organization Civil Aviation; IECSC - Directory of Existing Chemicals in China? IMDG - International Maritime Code of Dangerous Goods? IMO - International Maritime Organization; ISHL - Industrial Safety and Health Act (Japan); ISO - International Organization Standardization? KECI - Directory of Existing Chemicals in Korea? LC50 - Dead concentration in 50% of the test population? LD50 - Deadly dose in 50% of the population test (average lethal dose)? MARPOL - International Conference on Pollution Prevention from ships? n.o.s. - Not otherwise defined? NO (A) EC - Concentration in which no are (adverse) effects observed? NO (A) EL - Level at which they are not observed (adverse) effects? NOELR - Percentage of charge not observed effects? NZIoC - New Zealand Chemicals Index? OECD - Organization Economic Cooperation and Development? OPPTS - Chemical Safety Agency and Pollution Prevention? PBT - Persistent, Bioaccumulative and Toxic? PICCS - Philippines Chemical Index? (Q) SAR - (Quantitative) Structure-Activity Relationship? REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals products? RID - Regulations for international rail transport of dangerous goods goods; SADT - Temperature of self-accelerating decomposition; SDS - Bulletin Security Data? TCSI - Taiwan Chemical Index? TRGS - Technical Standard for dangerous substances? TSCA - Toxicity Control Act (United States); UN - United Nations; vPvB - Highly persistent and very bioaccumulative

The above information only concerns the specific product of our company based on our current level of knowledge and is not a guarantee of any specific product features This information may not apply to this product when it is used in combination with other materials or other activities, unless stated otherwise.