

Safety Data Sheet

According to Regulation (EC) No 1907/2006
Version 1 Date of issue 28/04/2016

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

1.1 Product identifier

Trade name: **GF wheel**

1.2 Use of the substance / mixture

Use: **cleaning wheels**

1.3 Details of the supplier of the safety data sheet

1.4

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

1.5 Emergency telephone number

Emergency telephone number: **210 -7793777**

Section 2: Hazard identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin corrosion (category 1a), H314

For the full text of R-phrases mentioned in this section, see Section 16.

2.2 Label elements

According to Regulation (EC) No 1272/2008

Symbol



Signal word: **Danger**

Hazard statement(recognized)

H314: Causes severe skin burns and eye injuries.

Precautionary Statement(s)

P102: Away from children. P405: Keep it locked

P280: Wear protective gloves/protective clothing/personal protective equipment for the eyes/face.

P301+P330+P331: IF SWALLOWED: rinse mouth. Do not induce vomiting.

P303+P361+P353: In case of skin contact (or hair contact): Take off immediately all contaminated clothing. Rinse the skin with water/shower.

P305+P351+P338: In case of eye contact: rinse thoroughly with water for several minutes. If there are contact lenses, remove them, where it is easy. Keep rinsing.

P309 + P311: In case of report or illness: Call immediately the Emergency telephone number or a doctor.

2.3 Other hazards

The substance / the mixture does not contain ingredients which are regarded as either resistant, bioaccumulative and toxic (PBT) or highly resistant and highly bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3: Composition/information on ingredients

3.1 Mixtures

Ingredient(s)	CAS-No.	Number Reach	Classification according to 1272/2008/EC	Concentration
C12-15 ethoxylated Alcohol	68131-39-5		Acute Tox., 4 Eye Dam., 1 H302,318,	0% - 5%
Alkane C6-C8 (even numbered), 1-sulphonic acid sodium salt	EC: 939-625-7	01-2119985168-23-0000	Skin Corr./Irrit. 2 Eye Dam./Irrit. 2, H319, H315	0% - 5 %
Ethylenediaminetetraacetic acid, Tetrasodium salt	64-02-8	01-2119486762-27	Acute Tox. 4 - H302 Eye Dam. 1 - H318	0% - 5 %

For full text of H AND EUH- phrases mentioned in this section, see Section 16.

Section 4: First Aid Measures

4.1 Description of the first aid measures: General advice

Consult a doctor. Show this safety data sheet to the doctor in attendance.

In case of inhalation:

In case of inhalation remove to fresh air. In case of interruption of breath, apply artificial respiration. Consult a doctor.

In case of skin contact:

Immediately remove contaminated clothes and shoes. Wash with soap and water. Consult a doctor.

In case of eye contact:

Rinse with large amounts of water for at least 15 minutes and consult a physician.

In case of ingestion:

Do not induce vomiting. Never give anything to an unconscious person by mouth. Wash the mouth with water. Consult a doctor.

4.2 Main symptoms and effects, acute and subsequent

The most important of the known symptoms and effects described in the Label elements (see paragraph 2.2) and / or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

There are no elements.

Section 5: Firefighting measures**5.1 Firefighting equipment/appropriate firefighting equipment**

Use spray water, mousse fixed in alcohol, dry extinguishing agent or carbon dioxide.

5.2 Specific hazards arising from the substance or mixture

There are no hazards.

5.3 Recommendations for firefighters

During the fire extinguishing, wear perpetuating breathing apparatus, when it is necessary.

5.4 Further Information

There are no elements.

Section 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear respiratory protection. Do not breathe fumes/mist/gas. Take adequate ventilation. Remove staff in a safe place.

For personal protective clothing see paragraph 8.

6.2 Environmental precautions

Prevent the further leakage and dissipation, if this is possible without risk. Do not empty into drains or the aquatic environment.

The depuration in environment must be avoided.

6.3 Methods and materials for restriction and cleaning

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For the rejection see paragraph 13.

Section 7: Handling and storage**7.1 Precautions for safe handling**

Avoid skin and eye contact. Avoid inhalation of fumes and fog.

For precautions see 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a dry place. The container must also be kept tightly closed in a place with good ventilation.

The open containers must be closed carefully and stored upright, to avoid any oil leakage.

7.3 Specific end uses

A part of the uses mentioned in section 1.2. There are no other specific uses.

Section 8: Exposure controls/personal protection**8.1 Control Parameters****Ingredients with controlled parameters in the workplace****ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT**

DNEL Source 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 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

8.2 Exposure controls

Engineering controls

When handling chemicals recommended protective measures must be taken into account. Wash hands before breaks and at the end of work.

Personal protective equipment

Eye/face protection

Protective goggles which affixes perfect. Shield for the person. Use equipment for eye protection tested and approved according to the appropriate standards of governments, as NIOSH (USA) or EN 166 (EU).

Skin protection

Handle with gloves. Gloves must be examined before use. Use proper technique for removing the glove (without touching the outer surface of the glove) so as to avoid skin contact with this product. Discard the gloves contaminated after use, in accordance with the current legislation and the good laboratory practice. Wash and dry hands.

Gloves, that are used, must comply with the requirements of EU Directives 89/689/EEC and the standard EN 374 resulting from this.

Full track material: nitrile rubber Minimum Thickness layer: endurance times: 480 min

Contact with droplets Material: nitrile rubber Minimum Thickness layer: endurance times: 480 min

In case of use in solution or mixing with other substances and in conditions which differ from those of the 374, you must contact your supplier of gloves which are approved by the EC. This recommendation is only advisory and must be evaluated by the security manager who should be familiar with the specific circumstance that affects the expected usage from our customers. Should not be interpreted that it is approved for each use.

Body protection

Full clothing protection from chemicals. The type of protective equipment must be selected according to the concentration and quantity of dangerous substances in the workplace.

Respiratory protection

When the risk assessment shows that it would be appropriate to use respirators, use full face snorkeling with versatile combination (US) or replacement filters ventilator type ABEK (EN 14387) as an alternative of engineering control elements. In case that the ventilator is the only protection, use full face snorkeling with independent air flow. Use respirators and ingredients tested and approved by government standards such as NIOSH (US) or CEN (EU).

Environmental exposure controls

Do not flush into surface water or sanitary sewer system. If the product contaminates river and lakes or drains, inform respective authorities.

Section 9: Physical and Chemical properties

9.1 Information on basic physical and chemical properties

A) View	Format: liquid
B) Odour	Characteristic
C) Odour Threshold	There are no elements.
D) PH	12.5 ± 0.5
E) Melting/freezing point	There are no elements.
F) Initial boiling point and boiling range	There are no elements.
G) Flashpoint	Not self-igniting.
H) Evaporation Rate	There are no elements.
(i) Flammability (solid, gas)	Not self-igniting.
J) Senior/thresholds flammability or detonation	There are no elements.
K) Vapor pressure	There are no elements.
L) Vapor Density	There are no elements.
M) Relative density	There are no elements.
N) Water solubility	Full
O) Partition coefficient: n-octanol/water	There are no elements.
P) Temperature Spontaneous ignition	There are no elements.
Q) Temperature Decomposition	There are no elements.
R) Viscosity	There are no elements.
S) Explosive properties	Not applicable
T) Oxidizing properties	Not applicable

9.2 Other information

There are no elements.

Section 10: Stability and reactivity

10.1 Reactivity

There are no elements.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

There are no elements.

10.4 Conditions to avoid

There are no elements.

10.5 Incompatible materials

Powerful oxidants

10.6 Hazardous decomposition products

Additional decomposition products. There are no elements. – In case of fire: see chapter 5

Section 11: Toxicological information

11.1 Information on toxicological effects

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)

Skin irritation

Skin

Non-irritating (OECD 404)

Eye

Irritating to eyes (similar to: OECD 405)

Breathing

Non-irritating (based on: acute inhalation test) (OECD 403)

Sensitization

According to junction of information (ethylenediaminetetraacetic acid disodium salt):
No sensitisation (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 lymphoma of Mouse: Negative (OECD476).

Test micronucleus test on animals: Negative (OECD 474).

Chronic toxicity / carcinogenicity

Oral:

According to junction of 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: \geq 500 mg/kg (No guidelines were followed.)

Inhalation:

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: \geq 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 other specific information available.

Other toxicological information

Chronic toxicity (**dermal**): No data available.

Additional Information

The material is extremely destructive to tissues of mucous membranes and the upper respiratory tract, the eyes and skin

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

DL50: > 1550 mg/kg (rats)

DL50: > 2000 mg/kg (rats)

Initial irritating action

Skin: Irritating to skin and mucous membranes

Eyes: Irritating

Sensitization

Not skin sensitizing (data available)

Repeated dose toxicity

NOAEL (oral/subchronic: rat): 430 mg/kg/jour target organs: liver

Regards the ingredient C12-15 ethoxylated Alcohol

11.1 Information on toxicological effects**Basis for evaluation**

The information given are based on testing of products and/or similar products and/or components.

Exposure route

Exposure may happen through inhalation, ingestion, absorption by skin contact, by skin contact or eyes and accidental ingestion.

Acute oral toxicity

Harmful if swallowed. Lethal Dose LD50 >300 - <=2000 mg/kg

Acute dermal toxicity

It is expected to be of low toxicity, LC50 > 2000 mg/l.

Acute inhalation toxicity

Low toxicity when inhaled.

Skin irritation

Produces mild skin irritation. Prolonged exposure may cause skin dryness or cracking.

Eye Irritation

Causes serious eye damage.

Irritation to the respiratory system

There is expected to be Irritating to respiratory system.

Sensitization

There is expected to cause sensitization.

Suction Risk

No risk.

Carcinogenic effects

No carcinogenicity.

Toxicity on the reproduction and development

It does not harm the fertility. There is no toxic factor affecting the development.

Special toxicity to target-organs after a single exposure

There is no toxic factor affecting the development

There is no danger expected.

Section 12: Ecological information

12.1 Toxicity

ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT

Ecotoxicological 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) \geq 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:

EC 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 half-life: 20 days. It is expected to be resistant to hydrolysis.

Biotic Decomposition

Bioaccumulation

Lepomis macrochirus, flow through, 28-Day, 1< Factor bioconcentration factor (BCF) <2 (No guidelines were followed.)

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

Fish, CL50: > 100 mg/l

Daphnia, CE50: > 100 mg/l

Alga, NOEC: 6,25 mg/l

Regards the ingredient C12-15 ethoxylated Alcohol

12.1 Toxicity

Fish: Toxic: LL/EL/IL50 >1 - \leq 10 mg/l

Amphibians invertebrates Toxic: LL/EL/IL50 >1 - \leq 10 mg/l

Algae: Toxic: LL/EL/IL50 >1 - \leq 10 mg/l

Micro-organisms are practically expected to be non-toxic: LL/EL/IL50 > 100 mg/l

12.2 Persistence and degradability

Immediately degradable.

12.3 Bioaccumulative potential

It is unlikely to happen bioaccumulation because of metabolism and secretion.

12.4 Mobility in soil

If the product has passed on the ground, one or more components will be separated and can contaminate groundwater. Dissolve in water.

12.5 Results of PBT and vPvB assessment

No assessment necessary.

12.6 Other negative effects

The depuration in environment must be avoided.

Section 13: Disposal considerations

13.1 Waste treatment methods

Product

Residues and non-recyclable solutions delivered to recognized company waste treatment.

Contaminated packagings (packages)

Discarded as unused product.

Section 14: Transport information



14.1 UN Number

ADR/RID: - IMDG CODE: - IATA: -

14.2 Proper shipping name

ADR/RID: Alkaline solution

IMDG CODE: Alkaline solution

IATA: Alkaline solution

14.3 Transport hazard class

ADR/RID: 8

IMDG CODE: 8

IATA: 8

14.4 Packing Group

ADR/RID: II

IMDG CODE: II

IATA: II

14.5 Environmental hazards

ADR/RID: not

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

There are no elements.

Section 15: Regulatory information

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

15.1 Regulations/legislation regarding safety, health and environment for the substance or mixture

There are no elements.

15.2 Chemical safety assessment

There are no elements.

Section 16: Other Information

For full text of H-phrases mentioned below, see sections 2 and 3.

H314: Causes serious skin burns and eye injuries.

H319: Causes serious eye irritation.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

Skin Corr./Irrit. Skin Corrosion/ Irritation

Eye Dam. /Irrit. Serious eye damage/irritation

Acute Tox. Acute toxicity

Further Information

The above information is considered to be correct but does not include all the items. That's why it should only be used as a guide. The information in this document are based on current knowledge but it cannot be considered as a guarantee for quality specification of the product.