

SAFETY DATA SHEET

According to REGULATION (EC) No 1907/2006
Version 1 Date 28 / 04/ 2016

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

1. Product identifier

Trade name: GF SHAMP

2. Uses of the substance / mixture

Use: Shamp for cleaning cars, machinery

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: Hazard 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 Label elements

Labelling according to Regulation (EC) No 1272/2008

Symbol



Signal word: Danger

Hazard statement(recognized) H

H318: Causes serious eye damage.

H315: Causes skin irritation.

Precautionary Statement(s)

P102: Away from children.

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

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 possible. Keep rinsing.

P337 + P313: If eye irritation does not retreat, consult a doctor.

P302 + P352: In case of skin contact: Wash thoroughly with soap and water.

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

Other hazards

The substance/ mixture does not contain ingredients considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher according to the requirements of Regulation No 1907/2006 (EC), Annex XIII.

Section 3: Composition/INFORMATION ON INGREDIENTS

1. Mixture

Hazardous ingredients

CAS No	Ingredient	Number Reach	Classification according to 1272/2008/EC	Concentration
68891-38-3	SODIUM LAURYL ETHER SULFATE	01-211948 8639-16	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412	5% -15%
8051-30-7	COCONUT OIL, REACTION PRODUCTS WITH DIETHANOLAMINE (=COCAMIDE DEA)	01-211949 0100-53-0 023	Eye Dam. 1, H318: Aquatic Chronic 2, H411: Skin Irrit. 2, H315	0% - 5%
61789-40-0	COCOAMIDOPROPYL BETAINE	01-211948 9410-39-0 007	Eye Dam. 1, H318	0% - 5%

Section 4: First aid Measures

4.1 Description of the first aid measures: General advice

In case of inhalation:

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

In case of skin contact:

Wash immediately with soap and water.

In case of eye contact:

Wash the eyes with water for some time and with your eyelids open.

In case of ingestion: Clean mouth with water and drink afterwards upon plenty of water.

2. Main symptoms and effects, acute and subsequent

Not available.

4.3 Indication of any immediate medical attention and special treatment needed

Not available.

Section 5: Firefighting measures

1. Firefighting equipment/Appropriate firefighting equipment

Fire dust, mousse, sand, spray water.

2. Specific hazards arising from the substance or mixture

During a fire nitrogen oxides (NO_x), carbon monoxide (CO) and sulfur dioxide (SO₂) may be released.

5.3 Recommendations for firefighters

Do not try to combat fire without the appropriate protective equipment:
Independent breathing apparatus. Remove all persons from the incident.

Special protective equipment:

Wear protective clothing extinguishing (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 into contact with water forms slippery mattresses.

There is a high risk of slipping on the cause of the outfall of the product. Wear your personal protective clothing.

6.2 Environmental precautions:

Intercept surface of the extension.

Do not empty into drains or the aquatic environment.

In the case of diverting the aquatic environment or in the sewer notified the competent authorities.

6.3 Methods and materials for restriction and cleaning:

Stop leaking.

Disposal of contaminated materials according to the current regulations.

6.4 Reference to other sections

For safe handling, see section 7.

For personal protective equipment, see section 8.

For disposal, see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Keep containers tightly closed.

Instructions regarding protection against fire and explosion:

Do not require special measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Stored at temperatures below 30°C.

Compatible packaging materials: stainless steel, plastic.

Suggestions plus storage: shall be kept separately from oxidizing substances.

Further statements about the conditions stockpiling:

None

7.3 Specific end use(s)

Not available.

Additional instructions regarding configuring of technical installations:

No other recommendation. See section 7.

Section 8: Exposure controls/personal protection

8.1 Control Parameters

Components with limit values concerning the working places and which must be monitored:

Regards the ingredient SODIUM LAURYL ETHER SULFATE

DNELs

Secondary level without impact (DNEL) for exposure of workers:

Long-term systemic effects through repeated dermal contact, DNEL: 2,750 mg/kg bw/day

Long-term systemic effects through repeated inhalation, DNEL: 175 mg/m³

Secondary level without impact (DNEL) for exposure of consumers:

Long-term systemic effects through repeated dermal contact, DNEL: 1,650 mg/kg bw/day

Long-term systemic effects through repeated inhalation, DNEL: 52 mg/m³

Long-term systemic effects by ingestion, DNEL: 15 mg/kg

PNECs

Predicted concentration without effects:

PNEC Freshwater: 0.24 mg/l

PNEC seawater: 0.024 mg/l

PNEC intermittent releases: 0.071 mg/l

PNEC sediment freshwater: 5.45 mg/kg

PNEC sediment seawater: 0.545 mg/kg

PNEC territory: 0.946 mg/kg

PNEC sewage treatment installations: 10 g/l

8.2 Exposure controls

Personal protective equipment:

General protective and sanitary measures:

When you use it, 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 contact with eyes and skin.

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 breakthrough 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:

Tightly fitting safety goggles absolutely.

Body Protection:

Wear suitable protective equipment.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Appearance: form:	Thick liquid
Color:	Various
Odour:	Characteristic of aroma
Odour threshold:	-
PH at 20 °C:	7± 0.5
Melting point/liquidation limits:	>300 °C
Boiling point/boiling limits:	>400 °C
Flashpoint :	The material does not ignite.
Decomposition Temperature:	Unusable
Risk of flammability	Undefined
Explosion Hazard:	There is no danger of explosion.
Explosion limits:	
Lower:	It does not exist.
Upper:	It does not exist.
Steam pressure:	Unusable
Density at 20 °C:	1,02 g/cm ³
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 are no other relevant information.

Section 10: Stability and reactivity

10.1 Reactivity

There are no elements.

10.2 Chemical stability, thermal decomposition / conditions to be avoided:

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

Regards the ingredient SODIUM LAURYL ETHER SULFATE

Danger of immediate toxicity:

Significant values classification-LD/LC50		
mouth	LD50	> 2000 mg/kg (rats) (OECD Guideline 401)
skin	LD50	> 2000 mg/kg (rats)

Initial irritation:

Skin: Irritation to skin and mucous membranes.

Eyes: Intense irritation and serious risk of damage to the eyes.

Sensitization:

There is no known sensitization.

Subacute to chronic toxicity:

The available toxicity studies provide a coherent picture of a sub-acute and chronic toxicity through mouth. For the entire category of stem ethoxysulfates (AESs) establishes the value: NOAEL 300 mg/kg bw.

Toxicokinetics, metabolism and distribution

Not classified.

Acute effects (acute toxicity, skin irritation and corrosion)

Acute toxicity (oral):

The substance is not classified.

Skin irritation and corrosion (skin, eyes):

The substance is irritating to the skin and particularly irritating to eyes.

Repeated dose toxicity

Not classified.

NOAEL: 300 mg/kg bw/day

Impact CMR (carcinogenicity, mutagenicity and reproductive toxicity)

Carcinogenicity:

Not classified. The systemic toxicity is supposed to be very low. There is no need for further assessment.

Mutagenicity

Not classified toxicity for reproduction:

The toxicity study showed players NOAEL for reprotoxicity greater than 300 mg/kg/day.

The developmental toxicity study showed NOAEL=1000 mg/kg/day.

Regards the ingredient coconut oil, reaction products with diethanolamine (=Cocamide DEA)

Significant prices classification-LD/LC50

Oral LD50 >5000 mg/kg (rats) (OECD Guideline 401)

From the skin LD50 >2000 mg/kg (rabbit)

Regards the ingredient Cocoamidopropyl Betaine

Significant prices classification-LD/LC50

Oral LD50 2335 mg/kg (rats)

From the skin LD50 >2000 mg/kg (rats)

Initial irritation

Skin: strong oxidizing effects on the skin and the mucous membranes.

Eyes: Strong oxidizing effects

Intense irritation and serious risk of damage to the eyes.

Sensitization: none known sensitization.

Supplementary toxicological information:

The product, according to the calculation of the general guidelines for classification of EC for mixtures, as described at the last version, presents the following risks:

Corrosive

Irritating

In case of ingestion causes burns to the mouth and pharynx and risk drilling esophagus and stomach.

Toxicokinetics, metabolism and distribution is not classified.

There is no public awareness.

Repeated dose toxicity

NOAEL of oral) of the active substance: 300 mg/kg bw/day

Not classified.

Impact CMR (carcinogenicity, mutagenicity and reproductive toxicity)

No known significant result or critical risk.

Section 12: Ecological information

Regards the ingredient SODIUM LAURYL ETHER SULFATE

12.1 Toxicity

Aquatic toxicity:	
EC 10 (static)	>10000 mg/l (Pseudomonas putida)
LC50	7,1 mg/l (Brachydanio rerio)
	27,7 mg/l (Desmodesmus subspicatus)
	7,4 mg/l (freshwater fish)
	1,05 mg/l (Pimephales promelas)

12.2 Persistence and degradability

Easy biodegradation

Biodegradable according to regulation of detergents, 648/2004/EC.

The surfactants, that are included in the product, comply with the biodegradability criteria as defined in Regulation 648/2004/EC. The data, which support this statement, are at the disposal of the relative authorities of the Member States and will be provided to them upon request from the manufacturer. All studies concerning degradation were carried out according to the directions of the OECD or the EU guidelines and on the basis of the GLP.

The percentage of degradation and biodegradability may vary between 76-81% for parameter O₂-consumption and 96-100% for parameter DOC-expulsion.

Experimental result: directly biodegradable 100% (28 d) DOC Removal Method: EU Method C.4-C (Determination of the "Ready" Biodegradability - Carbon Dioxide EvolutionTest)

12.3 Bioaccumulative potential

Low bioaccumulative potential.

Bioaccumulation in aquatic organisms are not expected as the substance has a low log Kow ≤ 3.

Taking into account the rapid degradation of the substance in the environment and the low bioaccumulative potential, which have been proven in aquatic species, the bioaccumulation in terrestrial species is considered to be negligible.

12.4 Mobility in soil

It is dissolved easily in water and is easily biodegradable.

Further ecological indications:

General instructions: There is no known risk to the aquatic environment.

12.5 Results of PBT and vPvB assessment

PBT: Not classified.

vPvB: Not classified.

12.6 Other negative effects

Not available.

Regards the ingredient coconut oil, reaction products with diethanolamine (=Cocamide DEA)

12.1 Toxicity

Aquatic toxicity:

EC50 (static) 6000 mg/l (Pseudomonas putida) (DIN 38412, part 8)
 3.9 mg/l (Scenedesmus subspicatus) (OECD guideline 201)
LC50 2,4 mg/l (Oncorhynchous mykiss) (OECD Guideline 203)
 3,2 mg/l (daphnia magna) (OECD guideline 202)

12.2 Persistence and degradability

The surfactants included in this product comply with the criteria of biodegradability as defined in Regulation 648/2004/EC. The data, that support this statement, are at the disposal of the relative authorities of the Member States and will be provided to them upon request from the manufacturer.

12.3 Bioaccumulative potential

There is no other relevant information available.

12.4 Mobility in soil

There is no other relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not classified.

vPvB: Not classified.

12.6 Other negative effects

There is no other relevant information available.

Regards the ingredient Cocoamidopropyl Betaine

12.1 Toxicity

Aquatic toxicity

EC10 0.135 mg/l (freshwater fish)

LC50 (static) 1,9 mg/l (freshwater invertebrates)

1,11 mg/l (freshwater fish)

12.2 Persistence and degradability

Easily biodegradable according to the guideline OECD 301 B, OECD 301C, OECD 301 D AND OECD 301F.

12.3 Bioaccumulative potential: Low

12.4 Mobility in soil

It is dissolved easily in water and is easily biodegradable.

Further ecological indications:

General instructions:

Dangerous for the aquatic environment - Class 1 (our estimation): slightly dangerous

It is not allowed to penetrate the earthy waters, be emptied into the aquatic environment or in the sewer undiluted or relatively large quantities.

It is not allowed for undiluted or non-neutralized mixtures to be emptied at the liquor i.e. in cesspits.

The escape of large quantities in channel grid, drains or in water resources may lead to an increase of pH.

Increased pH values harm aquatic organisms.

12.5 Results of PBT and vPvB assessment

PBT: Not classified.

vPvB: Not classified.

12.6 Other negative effects: There is no other relevant information available.

Section 13: Disposal considerations

13.1 Waste treatment methods

Recommendation:

It is not allowed to throw it with common garbage. Do not throw it into drains.

Uncleaned package:

Recommendation: Deposition is done according to official instructions.

Means of cleaning: 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 ADR, ADN, IMDG, IATA	Unusable. -
14.2 Proper shipping name ADR, ADN, IMDG, IATA	Unusable. -
14.3 Transport hazard class ADR, ADN, IMDG, IATA	Unusable -
14.4 Packing Group ADR, IMDG, IATA	Unusable -
14.5 Environmental hazards: Environmentally dangerous:	No
14.6 Special precautions for user	Unusable

Section 15: Regulatory information

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

Ingredients according to Regulation Detergents 648/2004/EC

It contains between other at least 5% but less than 15% anionic surfactants.

It contains conservative, aroma.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for the mixture.

Section 16: Other information

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

H315: Cause skin irritation.

H318: Causes serious eye damage.

H412: Harmful to aquatic organisms, with long-term effects.

Footnotes and Acronyms:

DNEL - Secondary Level Without Effects

EUH - CLP Statement Specific risk

PBT - Persistent, Bioaccumulative, Toxic

PNEC - Predicted Concentration without Effects

Number Reach - registration number reach

vPvB- very persistent and very bioaccumulative

The information provided in this Safety Data Sheet concerns only the specific product of our company based on the current level of knowledge and it cannot be considered as a guarantee for quality specification of the product.