

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 27.11.2020

Version number 1

Revision: 10.11.2020

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

1.1 Product identifier

Trade name: Afroso Toilet Block Solid 40G Forest Sensation

Chemical Identification:

Product identifiers:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts

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

No further relevant information available.

Application of the substance / the mixture: Toilet cleaner

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

GR. SARANTIS S.A.

26, Amaroussiou - Halandriou Str.,

151 25 Maroussi, Athens

Tel: +30 210 6173000 - Fax: +30 210 6197100

e-mail: info@sarantis.gr

1.4 Emergency telephone number:



European Emergency Tel.: 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 27.11.2020

Version number 1

Revision: 10.11.2020

Trade name: Afroso Toilet Block Solid 40G Forest Sensation

(Contd. of page 1)

Hazard pictograms:



GHS05

Signal word: Danger

Hazard-determining components of labelling:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

Hazard statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves / eye protection / face protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH208 Contains 2-methylundecanal, Cineole. May produce an allergic reaction.

Regulation (EC) No 648/2004 on detergents / Labelling for contents

| | |
|-----------------------|------|
| anionic surfactants | ≥30% |
| non-ionic surfactants | <5% |
| perfumes (Limonene) | |

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture: consisting of the following components.

Ingredients according Regulation (EU) 830/2015:

| | | |
|--------------------------------|------------------------------------------------------------------------------------|---------|
| CAS: 68411-30-3 | Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 25-<50% |
| EINECS: 270-115-0 | Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412 | |
| Reg.nr.: 01-2119489428-22-XXXX | | |

(Contd. on page 3)

Safety data sheet

**complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)**

Printing date 27.11.2020

Version number 1

Revision: 10.11.2020

Trade name: Afroso Toilet Block Solid 40G Forest Sensation

| | | |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| | | (Contd. of page 2) |
| CAS: 68439-57-6 EC number: 931-534-0 Reg.nr.: 01-2119513401-57-XXXX | Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315 | 2.5-<5% |
| CAS: 85586-07-8 EINECS: 287-809-4 Reg.nr.: 01-2119489463-28-XXXX | Sulfuric acid, mono-C12-14-alkyl esters, sodium salts ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412 | 2.5-<5% |
| CAS: 98-55-5 EINECS: 202-680-6 Reg.nr.: 01-2119980717-23-XXXX | p-menth-1-en-8-ol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319 | 1-<2.5% |
| CAS: 110-41-8 EINECS: 203-765-0 Reg.nr.: 01-2119969443-29-XXXX | 2-methylundecanal ⚠ Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317 | 0.1-<0.5% |
| CAS: 101-84-8 EINECS: 202-981-2 Reg.nr.: 01-2119472545-33-XXXX | diphenyl ether ⚠ Aquatic Acute 1, H400; ⚠ Eye Irrit. 2, H319; Aquatic Chronic 3, H412 | 0.1-<0.5% |
| CAS: 470-82-6 EINECS: 207-431-5 Reg.nr.: 01-2119967772-24-XXXX | Cineole ⚠ Flam. Liq. 3, H226; ⚠ Skin Sens. 1B, H317 | 0.1-<0.5% |
| CAS: 2437-25-4 EINECS: 219-440-1 | dodecanenitrile ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315 | 0.1-<0.5% |
| CAS: 50-00-0 EINECS: 200-001-8 Index number: 605-001-00-5 Reg.nr.: 01-2119488953-20-XXXX | formaldehyde ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ⚠ Muta. 2, H341; Carc. 1B, H350; ⚠ Skin Corr. 1B, H314; ⚠ Skin Sens. 1, H317 | <0.01% |

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product. Seek immediate medical advice.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

Seek medical treatment in case of complaints.

(Contd. on page 4)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 27.11.2020

Version number 1

Revision: 10.11.2020

Trade name: Afroso Toilet Block Solid 40G Forest Sensation

(Contd. of page 3)

After skin contact:

Remove contaminated clothing and shoes.

Rinse with plenty of cold water and neutral soap.

If the product causes burning or chilling, do not remove the clothing as this may aggravate the injury if the garment sticks to the skin. If blisters are formed on the skin, they should never drop because the risk of contamination will increase.

In case of skin irritation, consult a physician.

After eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes.

Do not close or rub the eyes.

Remove immediately contact lenses if present, unless they are stuck to the eyes, in which case this could cause further damage.

Avoid strong water jet-risk of cornea damage, consult a doctor.

After swallowing:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration.

Seek immediate medical advice.

Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**

Product is non-flammable under normal conditions of storage. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water jet

5.2 Special hazards arising from the substance or mixture

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters**Protective equipment:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA).

Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit etc) in accordance with Directive 89/654/EC.

Wear protective goggles.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

GB

(Contd. on page 5)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 27.11.2020

Version number 1

Revision: 10.11.2020

Trade name: Afroso Toilet Block Solid 40G Forest Sensation

(Contd. of page 4)

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

Wear protective equipment. Keep unprotected persons away.

Wear protective clothing.

6.1.1 For non-emergency personnel Avoid contact with dripping or leaking material**6.1.2 For emergency responders**

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.**6.3 Methods and material for containment and cleaning up:**

Use mechanical handling equipment. Pick for disposal in tightly closed containers.

Dispose contaminated material as waste according to item 13.

Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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

Open and handle receptacle with care.

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

Avoid contact with eyes, skin and clothing.

Do not eat or drink during the use of the product.

Wash your hands thoroughly after handling.

Information about fire - and explosion protection: No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage:**

Store in cool, dry conditions in well sealed receptacles.

Avoid heat, radiation, static electricity and contact with food.

Requirements to be met by storerooms and receptacles: Store in a cool location.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:**

Keep container tightly sealed.

Store under lock and key and with access restricted to technical experts or their assistants only.

Store under lock and key and out of the reach of children.

Maximum storage time: 48 Months

Maximum storage temperature: 25°C**Minimum storage temperature:** 5°C**7.3 Specific end use(s)** No further relevant information available.

GB

(Contd. on page 6)

Safety data sheet

complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 27.11.2020

Version number 1

Revision: 10.11.2020

Trade name: Afroso Toilet Block Solid 40G Forest Sensation

(Contd. of page 5)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 57-55-6 Propylene glycol

| | |
|---------------------|----------------------------------------------------------------------------------------------------------|
| WEL (Great Britain) | Long-term value: 474* 10** mg/m ³ , 150* ppm *total vapour and particulates **particulates |
|---------------------|----------------------------------------------------------------------------------------------------------|

CAS: 101-84-8 diphenyl ether

| | |
|---------------------|------------------------------------------------------------------------------------------------|
| WEL (Great Britain) | Short-term value: 14 mg/m ³ , 2 ppm Long-term value: 7 mg/m ³ , 1 ppm |
| IOELV (EU) | Short-term value: 14 mg/m ³ , 2 ppm Long-term value: 7 mg/m ³ , 1 ppm |

CAS: 2437-25-4 dodecanenitrile

| | |
|---------------------|---------------------------------------------------|
| WEL (Great Britain) | Long-term value: 5 mg/m ³ as CN; Sk |
|---------------------|---------------------------------------------------|

DNELs

(CAS: 68411-30-3) Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Workers

Long-term exposure, dermal: 170 mg/kg

Long-term exposure, inhalation: 12 mg/m³

Consumers

Long-term exposure, inhalation: 3 mg/m³

Long-term exposure, oral: 0.85 mg/kg

Long-term exposure, dermal: 85 mg/kg

(CAS: 68439-57-6) Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

Workers

Long-term exposure, systemic effects, dermal: 2,158.33 mg/kg bw/ day

Long-term exposure, systemic effects, inhalation: 152.22 mg/m³

Consumers

Long-term exposure, systemic effects, dermal: 1,295 mg/kg bw/day

Long-term exposure, systemic effects, oral: 12.95 mg/ kg bw/ day

Long-term exposure, systemic effects, inhalation: 45.04 mg/ m³

PNECs

(CAS: 68411-30-3) Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Freshwater: 0.268 mg/l

Marine water: 0.0268 mg/l

Freshwater sediment: 8.1 mg/kg

Intermittent releases: 0.0167 mg/l

Sewage Treatment Plant: 3.43 mg/l

(CAS: 68439-57-6) Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

Freshwater: 0.024 mg/l

Marine water: 0.0024 mg/l

Freshwater sediment: 0.767 mg/kg dwt

Marine water sediment: 0.0767 mg/kg dwt

Soil: 1.21 mg/kg dwt

Sewage Treatment Plant: 4 mg/l

Intermittent releases: 0.0197 mg/l

(Contd. on page 7)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 27.11.2020

Version number 1

Revision: 10.11.2020

Trade name: Afroso Toilet Block Solid 40G Forest Sensation

(Contd. of page 6)

8.2 Exposure controls

8.2.1. Appropriate engineering controls Provide adequate ventilation.

Personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding "CE marking" in accordance with Directive 89/686/EEC.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

Eyewash stations according to DIN 12 899, ISO 3864-1:2011, ISO 3864-4:2011

Emergency shower according to ANSI Z358-1, ISO 3864-1:2011, ISO 3864-4:2011

Respiratory protection:



In case of insufficient ventilation use suitable respiratory protective device.

Protection of hands:



Protective gloves

CE CAT I

For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2003+A1:2009 and EN ISO 374-1:2016

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Replace gloves in case of any sign of damage.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Eye protection:



Tightly sealed goggles (EN 166).

CE CAT II

EN 166:2001

EN ISO 4007:2018

Clean daily and disinfect periodically according to the manufacturer's instructions.

(Contd. on page 8)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 27.11.2020

Version number 1

Revision: 10.11.2020

Trade name: Afroso Toilet Block Solid 40G Forest Sensation

(Contd. of page 7)

Body protection:



Protective work clothing

CE CAT I

For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.

Anti-slip work shoes

CE CAT II

EN ISO 20347:2012

For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

| | |
|-------------------------|----------------|
| Form: | Solid |
| Colour: | Not determined |
| Odour: | Characteristic |
| Odour threshold: | Not determined |

pH value: Not determined

Flash point: Not Flammable

Flammability (solid, gas): Not applicable

Auto-ignition temperature: 235 °C

Decomposition temperature: Not determined

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

| | |
|---------------|----------------|
| Lower: | Not determined |
| Upper: | Not determined |

Oxidising properties Not oxidising

Vapour pressure: Not determined

Density at 20 °C: 1592.6 kg/m³

Relative density at 20 °C 1.593

Vapour density Not determined

Evaporation rate Not determined

Solubility in / Miscibility with water: Not determined

(Contd. on page 9)

Safety data sheet

complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 27.11.2020

Version number 1

Revision: 10.11.2020

Trade name: Afroso Toilet Block Solid 40G Forest Sensation

(Contd. of page 8)

Partition coefficient: n-octanol/water: Not determined

Viscosity:
Dynamic: Not determined

Kinematic: Not determined

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity Stable under normal conditions

10.2 Chemical stability Material is stable under normal conditions.

Thermal decomposition / conditions to be avoided Stable at environment temperature.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid

High Temperatures

If possible, avoid direct contact with sunlight.

10.5 Incompatible materials

Strong bases

Alkalies

Oxidizing agents

10.6 Hazardous decomposition products No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

(CAS: 68439-57-6) Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

LC50 (4h), inhalation, dust/mists, rat: >52 mg/l

LD50, dermal, rabbit: 6,300 mg/kg

LD50, oral, rat: 2,079 mg/kg

ATE (Acute Toxicity Estimates)

| | | |
|------|------|-------------|
| Oral | LD50 | 3,041 mg/kg |
|------|------|-------------|

CAS: 68411-30-3 Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

| | | |
|------|------|------------|
| Oral | LD50 | 1080 mg/kg |
|------|------|------------|

CAS: 85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

| | | |
|------|------|-------------------|
| Oral | LD50 | 1,800 mg/kg (rat) |
|------|------|-------------------|

| | | |
|--------|------|--------------|
| Dermal | LD50 | >2,000 mg/kg |
|--------|------|--------------|

Specific symptoms in biological assay:
Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Additional toxicological information:
Repeated dose toxicity Based on available data, the classification criteria are not met.

(Contd. on page 10)

Safety data sheet

complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 27.11.2020

Version number 1

Revision: 10.11.2020

Trade name: Afroso Toilet Block Solid 40G Forest Sensation

(Contd. of page 9)

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

(CAS: 68411-30-3) Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Acute toxicity to fish

LC50 (96h), Bluegill sunfish: 1.67 mg/l

Acute toxicity to algae

EC50 (96h), Pseudokirchneriella sub.: 29 mg/l

Acute toxicity to daphnia

LC50 (96h), Chironomus riparius: 6.5 mg/l

(CAS: 68439-57-6) Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

Acute toxicity to algae

EC50 (72h): 5.2 mg/l

Acute toxicity to crustaceans

EC50 (48h), Ceriodaphnia dubia, Neonate Daphnia: 4.53 mg/l (Freshwater)

Toxicity to daphnia

EC50 (48h), Daphnia sp.: 4.53 mg/l (OECD 202, immobilization test)

NOEC (21d), Daphnia Magna: 6.3 mg/l

Acute toxicity to fish

LC50 (96h): 4.2 mg/l (OECD 203)

(CAS: 85586-07-8) Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

Acute toxicity to fish

LC50 (96h), Oncorhynchus mykiss: 3.6 mg/l (OECD 203)

Long-term toxicity to fish

NOEC (42d), Pimephales promelas: ≥ 1.357 mg/l (based on mortality)

NOEC (34d), Pimephales promelas: 0.11 mg/l (based on larvae survival)

NOEC (34d): 0.35 mg/l (Method equivalent or similar to OECD 210)

Acute toxicity to aquatic invertebrates

EC50 (48h): 4.7 mg/l (EC-guideline EC/92/69/EWG)

Long-term toxicity to aquatic invertebrates

NOEC (21d): 0.14 mg/l (based on mortality)

NOEC (21d): 1.2 mg/l (based on reproduction) (OECD 202, Part 2)

NOEC (7d), Ceriodaphnia dubia: 0.88 mg/l (based on reproduction)

NOEC (7d): 1.2 mg/l (based on mortality)

Toxicity to algae

ErC50 (72h), Desmodesmus subspicatus: >20 mg/l (based on growth rate)

EbC50 (72h): 12 mg/l (based on biomass)

NOECr (72h): 0.6 mg/l (based on growth rate)

12.2 Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

(Contd. on page 11)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 27.11.2020

Version number 1

Revision: 10.11.2020

Trade name: Afroso Toilet Block Solid 40G Forest Sensation

(Contd. of page 10)

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Ecotoxical effects:

Remark: Harmful to fish

Additional ecological information:

General notes:

Must not reach sewage water or drainage ditch undiluted or unneutralised.

The product contains materials that are harmful to the environment.

Harmful to aquatic organisms

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation



Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA Void

14.2 UN proper shipping name

ADR, IMDG, IATA Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class Void

14.4 Packing group

ADR, IMDG, IATA Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user Not applicable.

14.7 Transport in bulk according to Annex II of

Marpol and the IBC Code Not applicable.

(Contd. on page 12)

Safety data sheet

complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 27.11.2020

Version number 1

Revision: 10.11.2020

Trade name: Afroso Toilet Block Solid 40G Forest Sensation

UN "Model Regulation":

Void

(Contd. of page 11)

SECTION 15: Regulatory information

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

REACH Regulation 1907/2006/EC

Regulation (EU) 2015/830

CLP Regulation 1272/2008/EC

Regulation (EC) No.648/2004 on detergents, as amended.

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as ammended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as ammended

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

National regulations:
Other regulations, limitations and prohibitive regulations
Substances of very high concern (SVHC) according to REACH, Article 57

It doesn't contain substances of very high concern (SVHC).

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H341 Suspected of causing genetic defects.

H350 May cause cancer.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

(Contd. on page 13)

GB

Safety data sheet

complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 27.11.2020

Version number 1

Revision: 10.11.2020

Trade name: Afroso Toilet Block Solid 40G Forest Sensation

(Contd. of page 12)

Training hints

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

Department issuing SDS:



SUSTCHEM S.A.
REACH & Chemical Services Department
A: 144, 3rd Septemvriou, GR 112 51 | Athens, Greece
T: +30 210 8252510 | F: +30 210 8252575
W: www.sustchem.gr | E: info@suschem.gr

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 3: Acute toxicity - oral – Category 3
Acute Tox. 4: Acute toxicity - oral – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B
Muta. 2: Germ cell mutagenicity – Category 2
Carc. 1B: Carcinogenicity – Category 1B
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

GB