

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

Printing date 01.12.2020

Version number 2

Revision: 30.11.2020

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

1.1 Product identifier

Trade name: AFROSO BLOCK REFRESHING PINE

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 detergent

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

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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.

Skin Sens. 1

H317 May cause an allergic skin reaction.

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.

Hazard pictograms:



GHS05 GHS07

Signal word: Danger

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Hazard-determining components of labelling:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts
Hydrocarbons, terpene processing by-products
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Amides, C8-18 (even numbered) and C18-unsatd., N-(hydroxyethyl)
4-tert-butylcyclohexyl acetate

Hazard statements:

H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
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.
P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P310 Immediately call a POISON CENTER/doctor.
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.

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

| | |
|--|-----------|
| anionic surfactants | ≥30% |
| phosphates | ≥5 - <15% |
| non-ionic surfactants | <5% |
| perfumes (COUMARIN, GERANIOL, EUGENOL, AMYL CINNAMAL, CITRAL, (R)-p-mentha-1,8-diene), preservation agents (BENZISOTHIAZOLINONE) | |

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 of substances listed below with nonhazardous additions.

Ingredients according Regulation (EU) 830/2015:

| | | |
|--|--|---------|
| CAS: 68411-30-3 EINECS: 270-115-0 Reg.nr.: 01-2119489428-22-XXXX | Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412 | 50-<75% |
|--|--|---------|

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| | | |
|--|--|--------------------|
| | | (Contd. of page 2) |
| 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-<10% |
| CAS: 68956-56-9 EINECS: 273-309-3 Reg.nr.: 01-2119980606-28-XXXX | Hydrocarbons, terpene processing by-products ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317 | 2.5-<10% |
| EC number: 931-330-1 Reg.nr.: 01-2119490101-51-XXXX | Amides, C8-18 (even numbered) and C18-unsatd., N-(hydroxyethyl) ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315 | 1-<2.5% |
| CAS: 32210-23-4 EINECS: 250-954-9 Reg.nr.: 01-2119976286-24-XXXX | 4-tert-butylcyclohexyl acetate ⚠ Skin Sens. 1B, H317 | <1% |
| CAS: 141-43-5 EINECS: 205-483-3 Index number: 603-030-00-8 Reg.nr.: 01-2119486455-28-XXXX | 2-aminoethanol ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; STOT SE 3, H335; Aquatic Chronic 3, H412 | <1% |

Additional information:

(CAS: 141-43-5) 2-aminoethanol

Specific concentration limits

% (w/w) ≥5: STOT SE 3 - H335

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:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Take affected persons out into the fresh air.

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.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

Remove contaminated clothing.

Wash contaminated clothing before use.

After eye contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

Check for and remove any contact lenses.

Continue to rinse for at least 10 minutes.

Get medical attention if irritation occurs.

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

After swallowing:

Call for a doctor immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Seek immediate medical advice.

Never give anything by mouth to an unconscious person.

Do not induce vomiting; call for medical help immediately.

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.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Fire-extinguishing powder

For safety reasons unsuitable extinguishing agents: Water jet

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters
Protective equipment:

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Additional information

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

Wear protective clothing.

Ensure adequate ventilation.

Avoid contact with spilled material.

Avoid contact with skin and eyes.

6.1.1 For non-emergency personnel

Use personal protective equipment.

Avoid contact with dripping or leaking material

6.1.2 For emergency responders

Wear protective equipment. Keep unprotected persons away.

Use chemicals resistant gloves.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

Use neutralising agent.

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.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Open and handle receptacle with care.

Keep receptacles tightly sealed.

Use in well ventilated areas.

Store in cool, dry place in tightly closed receptacles.

Avoid contact with skin, eyes and clothing.

Avoid prolonged exposure with skin

Keep away from heat and direct sunlight.

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.

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: 24 months

Maximum storage temperature: 40°C

Minimum storage temperature: 5°C

7.3 Specific end use(s) No further relevant information available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 141-43-5 2-aminoethanol

| | |
|---------------------|---|
| WEL (Great Britain) | Short-term value: 7.6 mg/m ³ , 3 ppm |
| | Long-term value: 2.5 mg/m ³ , 1 ppm |
| | Sk |

| | |
|------------|---|
| IOELV (EU) | Short-term value: 7.6 mg/m ³ , 3 ppm |
| | Long-term value: 2.5 mg/m ³ , 1 ppm |
| | Skin |

DNELs

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

Workers

Long-term exposure, dermal, systemic effects: 170 mg/kg

Long-term exposure, inhalation, systemic effects: 12 mg/m³

Long-term exposure, inhalation, local effects: 12 mg/m³

Consumers

Long-term exposure, inhalation, systemic effects: 3 mg/m³

Long-term exposure, inhalation, local effects: 3 mg/m³

Long-term exposure, oral, systemic effects: 0.85 mg/kg

Long-term exposure, dermal, systemic effects: 85 mg/kg

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

Workers

Long-term exposure, dermal, systemic effects: 4060 mg/kg

Long-term exposure, inhalation, systemic effects: 285 mg/m³

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Consumers

Long-term exposure, oral, systemic effects: 24 mg/kg

Long-term exposure, dermal, systemic effects: 2440 mg/kg

Long-term exposure, inhalation, systemic effects: 85 mg/m³

(CAS: 68956-56-9) Hydrocarbons, terpene processing by-products

Workers

Long-term exposure, systemic effects, dermal: 0.8 mg/kg

Long-term exposure, systemic effects, inhalation: 2.9 mg/m³**Consumers**

Long-term exposure, systemic effects, oral: 0.3 mg/kg

Long-term exposure, systemic effects, derma: 0.3 mg/kg

Long-term exposure, systemic effects, inhalation: 0.7 mg/m³

(CAS: 141-43-5) 2-aminoethanol

Workers

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

Long-term exposure, local effects, inhalation: 3.3 mg/m³**Consumers**

Long-term exposure, systemic effects, oral: 3.75 mg/kg

Long-term exposure, systemic effects, dermal: 0.24 mg/kg

Long-term exposure, local effects, inhalation: 2 mg/m³**PNECs**

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

STP: 3.43 mg/L

Freshwater: 0.268 mg/L

Soil: 35 mg/kg

Marine water: 0.0268 mg/L

Intermittent: 0.0167 mg/L

Freshwater sediment: 8.1 mg/kg

Marine water sediment: 8.1 mg/kg

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

STP: 1084 mg/L

Freshwater: 0.102 mg/L

Soil: 0.654 mg/kg

Marine water: 0.01 mg/L

Intermittent: 0.036 mg/L

Fresh water sediment: 3.58 mg/kg

Marine water sediment: 0.358 mg/kg

(CAS: 68956-56-9) Hydrocarbons, terpene processing by-products

STP: 6.4 mg/L

Fresh water: 0.0021 mg/L

Soil: 0.11 mg/kg

Marine water: 0.00021 mg/L

Intermittent: 0.021 mg/L

Freshwater sediment: 0.542 mg/kg

Oral: 13.1 g/kg

Marine water sediment: 0.0542 mg/kg

(CAS: 141-43-5) 2-aminoethanol

STP: 100 mg/L

Freshwater: 0.085 mg/L

Soil: 0.035 mg/kg

Marine water: 0.0085 mg/L

Intermittent: 0.025 mg/L

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Freshwater sediment: 0.425 mg/kg
Marine water sediment: 0.0425 mg/kg
(CAS: 32210-23-4) 4-tert-butylcyclohexyl acetate
STP: 12.2 mg/L
Freshwater: 0.0053 mg/L
Soil: 0.42 mg/kg
Marine water: 0.00053 mg/L
Intermittent: 0.053 mg/L
Freshwater sediment: 2.01 mg/kg
Oral: 66.67 g/kg
Marine water sediment: 0.21 mg/kg

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Emergency shower according to: ANSI Z358-1, ISO 3864-1:2002
Eyewash stations according to: DIN 12 899, ISO 3864-1:2002

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.
Do not eat, drink or smoke while using the product.

Respiratory protection:



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

CE CAT I
420:2003+A1:2009
EN ISO 374-1:2016

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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.

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Eye protection:

Wear safety glasses according to ISO EN 166



Tightly sealed goggles (EN 166).

CE CAT II

EN 166:2001

EN ISO 4007:2018

Body protection:



Protective work clothing

CE CAT I

EN ISO 6529:2013

EN ISO 6530:2005

EN ISO 13688:2013

EN 464:1994



Boots

CE CAT II

EN ISO 20347:2012

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Solid

Colour: Green

Odour threshold: Not determined

pH value: 8-10 (5%)

Melting point/freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: Not Flammable

Flammability (solid, gas): Not applicable

Auto-ignition temperature: 225 °C

Decomposition temperature: Not determined

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

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Explosion limits:**Lower:** Not determined**Upper:** Not determined**Oxidising properties** Not considered as oxidising.**Vapour pressure at 50 °C:** 300 kPa**Density at 20 °C:** 1273 kg/m³**Relative density at 20 °C** 1.273**Vapour density** Not determined**Evaporation rate** Not determined**Solubility in / Miscibility with water:** Not determined**Partition coefficient: n-octanol/water:** Not determined**Viscosity:****Dynamic:** Not determined**Kinematic:** Not determined**9.2 Other information** No further relevant information available.

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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** No further relevant information available.**10.5 Incompatible materials**

Strong Acids

Oxidizing agents

Alkalies

Strong bases

10.6 Hazardous decomposition products

Carbon monoxide

Carbon dioxide

Hydrocarbons

*

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:****ATE (Acute Toxicity Estimates)**

| | | |
|------|------|-------------|
| Oral | LD50 | 2,373 mg/kg |
|------|------|-------------|

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

| | | |
|------|------|-------------|
| Oral | LD50 | 1,260 mg/kg |
|------|------|-------------|

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| | | |
|--|------|---------------------|
| Dermal | LD50 | >2,000 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 |
| Amides, C8-18 (even numbered) and C18-unsatd., N-(hydroxyethyl) | | |
| Oral | LD50 | >2000 mg/kg |
| Dermal | LD50 | >2000 mg/kg |
| CAS: 141-43-5 2-aminoethanol | | |
| Oral | LD50 | 500 mg/kg (rat) |
| Dermal | LD50 | 1025 mg/kg (rabbit) |
| Inhalative | LC50 | 11 mg/L (rat) (4h) |

Specific symptoms in biological assay:
Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Additional toxicological information:
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.

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SECTION 12: Ecological information
12.1 Toxicity
Aquatic toxicity:
CAS: 68411-30-3 Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

| | |
|------------|--|
| EC50 | 29 mg/l (algae) |
| EC50 (48h) | 1.67 mg/l (daphnia magna) |
| LC50 (96h) | 1.67 mg/l (Lepomis macrochirus (Bluegill)) |

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

| | |
|------------|-----------------------------------|
| EC50 (72h) | 12 mg/l (Desmodesmus subspicatus) |
| EC50 (48h) | 4.7 mg/l (daphnia magna) |
| LC50 (96h) | 3.6 mg/l (Oncorhynchus mykiss) |

Amides, C8-18 (even numbered) and C18-unsatd., N-(hydroxyethyl)

| | |
|------|---------------------------|
| EC50 | 1-10 mg/l (crustacean) |
| | 1-10 mg/l (daphnia magna) |
| LC50 | 1-10 mg/l (fis) (96h) |

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CAS: 141-43-5 2-aminoethanol

| | |
|------|--|
| EC50 | 22 mg/L (ssu) (72h) 65 mg/L (daphnia magna) (48h) |
| LC50 | 349 mg/L (Cyprinus Carpio) (96h) |

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.

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.

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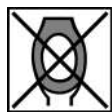
SECTION 13: Disposal considerations

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.

Waste disposal key: 20 01 29* detergents containing hazardous substances

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Void

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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.

UN "Model Regulation": Void

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

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 amended.

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 amended

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

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.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

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H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

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:

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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. 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

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**