# SAFETY DATA SHEET of:

# ECO Matic

**Revision date: Saturday, April 23, 2016**

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

### 1.1 Product identifier:

ECO Matic

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

/

Concentration in use: /

### 1.3 Details of the supplier of the safety data sheet:

**Greenspeed**

Cobbenhagenstraat 26

2288 ET Rijswijk (ZH), NL

Phone: +31703458737 — Fax: +31703458942

E-mail: greenspeed@greenspeed.eu — Website: http://www.greenspeed.eu/

### 1.4 Emergency telephone number:

+3270245245 (BE)

## 2 SECTION 2: Hazards identification:

### 2.1 Classification of the substance or mixture:

Classification of the substance or mixture in accordance with regulation (EU) 1272/2008:

**EUH208 H319 Eye Irrit. 2**

### 2.2 Label elements:

Pictograms:



Signal word:

Warning

Hazard statements:

**EUH208:** Contains ( Limonene ). May produce an allergic reaction.

**H319 Eye Irrit. 2:** Causes serious eye irritation.

Precautionary statements:

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

**P337+P313:** If eye irritation persists: Get medical advice/attention.

Contains:

none

### 2.3 Other hazards:

none

## 3 SECTION 3: Composition/information on ingredients:

| | | | |
|---|---|---|---|
| Sodium Percarbonate | 15% - 30% | CAS number: | 15630-89-4 |
| | | EINECS: | 239-707-6 |
| | | REACH Registration number: | 01-2119457268-30 |
| | | CLP Classification: | **H272 Ox. Sol. 3**<br>**H302 Acute tox. 4**<br>**H318 Eye Dam. 1** |
| Sodium carbonate | 5% - 15% | CAS number: | 497-19-8 |
| | | EINECS: | 207-838-8 |
| | | REACH Registration number: | 01-2119485498-19 |
| | | CLP Classification: | **H319 Eye Irrit. 2** |
| Sodiumlaurylsulphate | 5% - 15% | CAS number: | 68955-19-1 |
| | | EINECS: | 273-257-1 |
| | | REACH Registration number: | 01-2119490225-39 |
| | | CLP Classification: | **H315 Skin Irrit. 2**<br>**H319 Eye Irrit. 2** |
| Fattyalcohol ethoxylated | 5% - 15% | CAS number: | 68439-50-9 |
| | | EINECS: | 932-106-6 |
| | | REACH Registration number: | polymer |
| | | CLP Classification: | **H302 Acute tox. 4**<br>**H318 Eye Dam. 1**<br>**H412 Aquatic Chronic 3** |
| Sodium Disilicate | < 5% | CAS number: | 13870-28-5 |
| | | EINECS: | 237-623-4 |
| | | REACH Registration number: | 01-2119485031-47 |
| | | CLP Classification: | **H318 Eye Dam. 1** |

| | | | |
|---|---|---|---|
| Limonene | < 5% | CAS number: | 5989-27-5 |
| | | EINECS: | 227-813-5 |
| | | REACH Registration number: | |
| | | CLP Classification: | **H226 Flam. Liq. 3**<br>**H304 Asp. Tox. 1**<br>**H315 Skin Irrit. 2**<br>**H317 Skin Sens. 1**<br>**H400 Aquatic Acute 1**<br>**H410 Aquatic Chronic 1** |

For the full text of the H & R phrases mentioned in this section, see section 16.

## 4 SECTION 4: First aid measures:

### 4.1 Description of first aid measures:

Always ask medical advice as soon as possible should serious or continuous disturbances occur.

**Skin contact:** remove contaminated clothing, rinse with plenty of water, if necessary seek medical attention.

**Eye contact:** first prolonged rinsing with water (contact lenses to be removed if this is easily done) then take to physician.

**Ingestion:** rinse mouth, do not induce vomiting, take to hospital immediately.

**Inhalation:** let sit upright, fresh air, rest and take to hospital.

### 4.2 Most important symptoms and effects, both acute and delayed:

**Skin contact:** none

**Eye contact:** redness, pain, bad looking

**Ingestion:** diarrhoea, headache, abdominal cramps, sleepiness, vomiting

**Inhalation:** none

### 4.3 Indication of any immediate medical attention and special treatment needed:

none

## 5 SECTION 5: Fire-fighting measures:

### 5.1 Extinguishing media:

CO2, foam, powder, sprayed water

### 5.2 Special hazards arising from the substance or mixture:

none

### 5.3 Advice for fire-fighters:

**Extinguishing agents to be avoided:** none

## 6 SECTION 6: Accidental release measures:

### 6.1 Personal precautions, protective equipment and emergency procedures:

Do not walk into or touch spilled substances and avoid inhalation of fumes, smoke, dusts and vapours by staying up windRemove any contaminated clothing and used contaminated protective equipment and dispose of it safely.

### 6.2 Environmental precautions:

do not allow to flow into sewers or open water.

### 6.3 Methods and material for containment and cleaning up:

remove by using absorbent material.

### 6.4 Reference to other sections:

for further information check sections 8 & 13.

## 7 SECTION 7: Handling and storage:

### 7.1 Precautions for safe handling:

handle with care to avoid spillage.

### 7.2 Conditions for safe storage, including any incompatibilities:

keep in a sealed container in a closed, frost-free, ventilated room.

### 7.3 Specific end use(s):

/

## 8 SECTION 8: Exposure controls/personal protection:

### 8.1 Control parameters:

Listing of the hazardous ingredients in section 3, of which the TLV value is known

Sodium Percarbonate 10 mg/m³, Sodium hydroxide 2 mg/m³, Cellulase 1 mg/m³

### 8.2 Exposure controls:

| | | |
|---|---|---|
| **Inhalation protection:** | respiratory protection is not required. Use ABEK type gas masks in case of irritating exposure. If necessary, use with sufficient exhaust ventilation. | |
| **Skin protection:** | handling with nitril-gloves (EN 374). Breakthrough time: >480' Material thickness: 0,35 mm. Thoroughly check gloves before use. Take of the gloves properly without touching the outside with your bare hands. The manufacturer of the protective gloves has to be consulted about the suitability for a specific work station. Wash and dry your hands. |  |
| **Eye protection:** | keep an eye-rinse bottle within reach. Tight-fitting safety goggles. Wear a face shield and protective suit in case of exceptional processing problems. |  |
| **Other protection:** | impermeable clothing. The type of protective equipment depends on the concentration and amount of hazardous substances at the work station in question. |  |

## 9 SECTION 9: Physical and chemical properties:

### 9.1 Information on basic physical and chemical properties:

| | |
|---|---|
| **Melting point/melting range:** | / |
| **Boiling point/Boiling range:** | / |
| **pH:** | / |
| **pH 1% diluted in water:** | 10.5 |
| **Vapour pressure/20°C,:** | / |
| **Vapour density:** | not applicable |
| **Relative density, 20°C:** | 0.750 kg/l |
| **Appearance/20°C:** | solid |
| **Flash point:** | / |
| **Flammability (solid, gas):** | not applicable |
| **Auto-ignition temperature:** | / |
| **Upper flammability or explosive limit, (Vol %):** | / |
| **Lower flammability or explosive limit, (Vol %):** | / |
| **Explosive properties:** | not applicable |
| **Oxidising properties:** | not applicable |
| **Decomposition temperature:** | / |
| **Solubility in water:** | not soluble |
| **Partition coefficient: n-octanol/water:** | not applicable |
| **Odour:** | characteristic |
| **Odour threshold:** | not applicable |
| **Dynamic viscosity, 20°C:** | / |
| **Kinematic viscosity, 20°C:** | / |
| **Evaporation rate (n-BuAc = 1):** | / |

### 9.2 Other information:

| | |
|---|---|
| **Volatile organic component (VOC):** | / |
| **Volatile organic component (VOC):** | 0.000 g/l |

## 10 SECTION 10: Stability and reactivity:

### 10.1 Reactivity:

stable under normal conditions.

### 10.2 Chemical stability:

extremely high or low temperatures.

### 10.3 Possibility of hazardous reactions:

none

### 10.4 Conditions to avoid:

protect from sunlight and do not expose to temperatures exceeding + 50°C.

### 10.5 Incompatible materials:

acids, alkalines, oxidants, reductants

### 10.6 Hazardous decomposition products:

doesn’t decompose with normal use

## 11 SECTION 11: Toxicological information:

### 11.1 Information on toxicological effects:

**H319 Eye Irrit. 2:** Causes serious eye irritation.

**Calculated acute toxicity, ATE oral:** 1 792.161 mg/kg

**Calculated acute toxicity, ATE dermal:** /

| | | |
|---|---|---|
| Sodium Percarbonate | LD50 oral, rat: | 500 mg/kg |
| | LD50 dermal, rabbit: | ≥ 5,000 mg/kg |
| | LC50, Inhalation, rat, 4h: | ≥ 50 mg/l |
| Sodium carbonate | LD50 oral, rat: | 4,090 mg/kg |
| | LD50 dermal, rabbit: | ≥ 5,000 mg/kg |
| | LC50, Inhalation, rat, 4h: | ≥ 50 mg/l |
| Sodiumlaurylsulphate | LD50 oral, rat: | 2,000 mg/kg |
| | LD50 dermal, rabbit: | ≥ 5,000 mg/kg |
| | LC50, Inhalation, rat, 4h: | ≥ 50 mg/l |
| Fattyalcohol ethoxylated | LD50 oral, rat: | 2,000 mg/kg |
| | LD50 dermal, rabbit: | ≥ 5,000 mg/kg |
| | LC50, Inhalation, rat, 4h: | ≥ 50 mg/l |
| Sodium Disilicate | LD50 oral, rat: | ≥ 5,000 mg/kg |
| | LD50 dermal, rabbit: | ≥ 5,000 mg/kg |
| | LC50, Inhalation, rat, 4h: | ≥ 50 mg/l |
| Limonene | LD50 oral, rat: | 4,400 mg/kg |
| | LD50 dermal, rabbit: | ≥ 5,000 mg/kg |
| | LC50, Inhalation, rat, 4h: | ≥ 50 mg/l |

## 12 SECTION 12: Ecological information:

### 12.1 Toxicity:

| | | |
|---|---|---|
| Sodium carbonate | LC50 (Fish): | 300 mg/L (96h) |
| | EC50 (Daphnia): | 200 - 227 mg/L (48h) |
| Sodiumlaurylsulphate | LC50 (Fish): | 1.3 mg/L (96h) |
| | EC50 (Daphnia): | 2.8 mg/L (48h) |
| | EC50 (Algae): | 20 mg/L (72h) |
| | NOEC (Algae): | 3 mg/L (72h) |
| | EC50 (soil microorganisms): | 680 mg/L (3h) |
| Limonene | LC50 (Fish): | 720 µg/L (4d) |
| | EC50 (Daphnia): | 360 µg/L (48h) |
| | NOEC (Daphnia): | 115 µg/L (16d) |
| | EC50 (Algae): | 8 - 150 mg/L (72h) |
| | NOEC (Algae): | 2,62 mg/L (72h) |

### 12.2 Persistence and degradability:

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

### 12.3 Bioaccumulative potential:

| | Additional data: |
|---|---|
| Limonene | Log Pow = 4.38 @ 37 °C, pH 7.2 |

### 12.4 Mobility in soil:

**Water hazard class, WGK:** 2

**Solubility in water:** not soluble

### 12.5 Results of PBT and vPvB assessment:

No additional data available

### 12.6 Other adverse effects:

No additional data available

## 13 SECTION 13: Disposal considerations:

### 13.1 Waste treatment methods:

The product may be discharged in the indicated percentages of utillization, provided it is neutralised to pH 7. Possible restrictive regulations by local authority should always be adhered to.

## 14 SECTION 14: Transport information:

### 14.1 UN number:

not applicable

### 14.2 UN proper shipping name:

ADR, IMDG, ICAO/IATA not applicable

### 14.3 Transport hazard class(es):

**Class(es):** not applicable

**Identification number of the hazard:** not applicable

### 14.4 Packing group:

not applicable

### 14.5 Environmental hazards:

not dangerous to the environment

### 14.6 Special precautions for user:

**Hazard characteristics:** not applicable

**Additional guidance:** not applicable

## 15 SECTION 15: Regulatory information:

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

**Water hazard class, WGK:** 2

**Volatile organic component (VOC):** /

**Volatile organic component (VOC):** 0.000 g/l

**Composition by regulation (EC) 648/2004:** Zeolites 15% - 30%, Oxygen-based bleaching agents 15% - 30%, Anionic surfactants 5% - 15%, Nonionic surfactants 5% - 15%, Soap < 5%, Enzymes < 5%, Perfumes (Limonene, Linalool)

### 15.2 Chemical Safety Assessment:

No data available

## 16 SECTION 16: Other information:

### Legend to abbreviations used in the safety data sheet:

**ADR:** Accord européen relatif au transport international des marchandises Dangereuses par Route

**BCF:** Bioconcentration factor

**CAS:** Chemical Abstracts Service

**CLP:** Classification, Labelling and Packaging of chemicals

**EINECS:** European INventory of Existing Commercial chemical Substances

**Nr.:** number

**PTB:** persistent, toxic, bioaccumulative

**TLV:** Threshold Limit Value

**vPvB:** very persistent and very bioaccumulative substances

**WGK:** Water hazard class

**WGK 1:** slightly hazardous for water

**WGK 2:** hazardous for water

**WGK 3:** extremely hazardous for water

### Legend to the R & H Phrases used in the safety data sheet:

**EUH208:** Contains ( Limonene ). May produce an allergic reaction. **H226 Flam. Liq. 3:** Flammable liquid and vapour. **H272 Ox. Sol. 3:** May intensify fire; oxidiser. **H302 Acute tox. 4:** Harmful if swallowed. **H304 Asp. Tox. 1:** May be fatal if swallowed and enters airways. **H315 Skin Irrit. 2:** Causes skin irritation. **H317 Skin Sens. 1:** May cause an allergic skin reaction. **H318 Eye Dam. 1:** Causes serious eye damage. **H319 Eye Irrit. 2:** Causes serious eye irritation. **H400 Aquatic Acute 1:** Very toxic to aquatic life. **H410 Aquatic Chronic 1:** Very toxic to aquatic life with long lasting effects. **H412 Aquatic Chronic 3:** Harmful to aquatic life with long lasting effects.

### Reason of revision, changes of following items:

not applicable

### MSDS reference number:

ECM-108998,00

*This safety information sheet has been compiled in accordance with annex II/A of the regulation (EU) No 2015/830. Classification has been calculated in accordance with European regulation 1272/2008 with their respective amendments. It has been compiled with the utmost care. We cannot, however, accept responsibility for damage, of any kind, that may be caused by using these data or the product concerned. To use this preparation for an experiment or a new application , the user must carry out a material suitability and safety study himself.*