

**Safety data sheet  
according to 1907/2006/EC, Article 31**

Printing date 11.02.2019

Version number 2

Revision: 15.10.2018

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

- **1.1 Product identifier**
- **Trade name:** Eco Cleaner
- **Int. code:** SP122
- **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** Cleaning agent/ Cleaner
- **Product intended for:** Trade users / technical specialists.
- **Manufacturer/Supplier:**  
Dreumex B.V.  
Dommelstraat 1  
5347 JK, Oss, The Netherlands  
Postal box 681, 5340 AR, Oss, The Netherlands  
Tel: +31 (0)412-406 506  
Fax : +31 (0)412-406 509  
E-mail address: mail@dreumex.com  
Website: www.dreumex.com
- **Emergency telephone number:** Dreumex B.V. +31 (0)412-406 506

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** GHS05
- **Signal word** Danger
- **Hazard-determining components of labelling:**  
2-aminoethanol  
C10 Alcohol ethoxylate  
sodium dodecyl sulphate
- **Hazard statements**  
H315 Causes skin irritation.  
H318 Causes serious eye damage.
- **Precautionary statements**  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves / eye protection / face protection.  
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.  
P332+P313 If skin irritation occurs: Get medical advice/attention.

(Contd. on page 2)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 11.02.2019

Version number 2

Revision: 15.10.2018

**Trade name: Eco Cleaner**

(Contd. of page 1)

P362+P364 Take off contaminated clothing and wash it before reuse.

- **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.

**Dangerous components:**

CAS: 141-43-5 EINECS: 205-483-3 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	2.5-10%
CAS: 77-92-9 EINECS: 201-069-1	citric acid ⚠ Eye Irrit. 2, H319	≤2.5%
CAS: 160875-66-1 Polymer	C10 Alcohol ethoxylate ⚠ Eye Dam. 1, H318	≤2.5%
CAS: 151-21-3 EINECS: 205-788-1 Reg.nr.: 01-2119489461-32-0000	sodium dodecyl sulphate ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315	≤2.5%

- **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.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Rinse out mouth.  
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.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.

(Contd. on page 3)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 11.02.2019

Version number 2

Revision: 15.10.2018

**Trade name: Eco Cleaner**

(Contd. of page 2)

- **5.3 Advice for firefighters**
- **Protective equipment:** In case of insufficient ventilation, wear suitable respiratory equipment.
- **Additional information** Cool endangered receptacles with water spray.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
 Wear protective equipment. Keep unprotected persons away.  
 Wear protective clothing.
- **6.2 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).  
 Use neutralising agent.  
 Dispose contaminated material as waste according to item 13.
- **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** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
 Protect from frost.  
 Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

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

- **Additional information about design of technical facilities:** No further data; see item 7.

**8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

**141-43-5 2-aminoethanol**

WEL	Short-term value: 7.6 mg/m <sup>3</sup> , 3 ppm
	Long-term value: 2.5 mg/m <sup>3</sup> , 1 ppm
Sk	

- **Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls**

- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.

(Contd. on page 4)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 11.02.2019

Version number 2

Revision: 15.10.2018

**Trade name: Eco Cleaner**

(Contd. of page 3)

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Respiratory protection:** Not necessary if room is well-ventilated.

· **Protection of hands:**



Protective gloves

· **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.

· **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.

· **Eye protection:**



Tightly sealed goggles

**SECTION 9: Physical and chemical properties**

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Fluid

Colour: Green

· **Odour:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value at 20 °C:** 11.3

· **Change in condition**

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: 100 °C

· **Flash point:** Not applicable.

· **Flammability (solid, gas):** Not applicable.

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Not determined

· **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

· **Vapour pressure at 20 °C:** 23 hPa

(Contd. on page 5)

GB

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 11.02.2019

Version number 2

Revision: 15.10.2018

Trade name: Eco Cleaner

(Contd. of page 4)

- |                            |                        |
|----------------------------|------------------------|
| · <b>Density at 20 °C:</b> | 1.04 g/cm <sup>3</sup> |
| · <b>Relative density</b>  | Not determined.        |
| · <b>Vapour density</b>    | Not determined.        |
| · <b>Evaporation rate</b>  | Not determined.        |

- |                                                  |                 |
|--------------------------------------------------|-----------------|
| · <b>Solubility in / Miscibility with water:</b> | Fully miscible. |
|--------------------------------------------------|-----------------|

- |                                                  |                 |
|--------------------------------------------------|-----------------|
| · <b>Partition coefficient: n-octanol/water:</b> | Not determined. |
|--------------------------------------------------|-----------------|

- |                                |                                            |
|--------------------------------|--------------------------------------------|
| · <b>Viscosity:</b>            |                                            |
| <b>Dynamic:</b>                | Not determined.                            |
| <b>Kinematic:</b>              | Not determined.                            |
| · <b>9.2 Other information</b> | No further relevant information available. |

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **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.
- **Primary irritant effect:**
- **Skin corrosion/irritation**  
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.
- **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.

GB

(Contd. on page 6)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 11.02.2019

Version number 2

Revision: 15.10.2018

Trade name: Eco Cleaner

(Contd. of page 5)

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
 Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
 Must not reach sewage water or drainage ditch undiluted or unneutralised.  
 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.
- **12.5 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** Disposal must be made according to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**

- |                                          |      |
|------------------------------------------|------|
| · <b>14.1 UN-Number</b>                  |      |
| · <b>ADR, ADN, IMDG, IATA</b>            | Void |
| · <b>14.2 UN proper shipping name</b>    |      |
| · <b>ADR, ADN, IMDG, IATA</b>            | Void |
| · <b>14.3 Transport hazard class(es)</b> |      |
| · <b>ADR, ADN, IMDG, IATA</b>            |      |
| · <b>Class</b>                           | Void |
| · <b>14.4 Packing group</b>              |      |
| · <b>ADR, IMDG, IATA</b>                 | Void |
| · <b>14.5 Environmental hazards:</b>     |      |
| · <b>Marine pollutant:</b>               | No   |

(Contd. on page 7)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 11.02.2019

Version number 2

Revision: 15.10.2018

<b>Trade name: Eco Cleaner</b>
--------------------------------

(Contd. of page 6)

· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

<b>SECTION 15: Regulatory information</b>
-------------------------------------------

· <b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>
--------------------------------------------------------------------------------------------------------------

· <b>List of carcinogens</b>
------------------------------

None of the ingredients is listed.
------------------------------------

· <b>List of mutagenic substances</b>
---------------------------------------

None of the ingredients is listed.
------------------------------------

· <b>Non-exhaustive list of reprotoxic substances - Fertility</b>
-------------------------------------------------------------------

None of the ingredients is listed.
------------------------------------

· <b>Non-exhaustive list of reprotoxic substances - Development</b>
---------------------------------------------------------------------

None of the ingredients is listed.
------------------------------------

· <b>Non-exhaustive list of reprotoxic substances - Breastfeeding</b>
-----------------------------------------------------------------------

None of the ingredients is listed.
------------------------------------

· <b>REGULATION (EC) No 1907/2006 ANNEX XVII</b> Conditions of restriction: 3
-------------------------------------------------------------------------------

· <b>National regulations:</b>
--------------------------------

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.
------------------------------------------------------------------------------------------------------------------------

· <b>15.2 Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.
--------------------------------------------------------------------------------------------------

<b>SECTION 16: Other information</b>
--------------------------------------

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.
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

· <b>Relevant phrases</b>
---------------------------

EU Regulation on aerosols 75/324/EC, 1994/1/EC and 2008/47/EC
---------------------------------------------------------------

H302 Harmful if swallowed.
----------------------------

H312 Harmful in contact with skin.
------------------------------------

H314 Causes severe skin burns and eye damage.
-----------------------------------------------

H315 Causes skin irritation.
------------------------------

H318 Causes serious eye damage.
---------------------------------

H319 Causes serious eye irritation.
-------------------------------------

H332 Harmful if inhaled.
--------------------------

H335 May cause respiratory irritation.
----------------------------------------

H412 Harmful to aquatic life with long lasting effects.
---------------------------------------------------------

(Contd. on page 8)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 11.02.2019

Version number 2

Revision: 15.10.2018

**Trade name: Eco Cleaner**

(Contd. of page 7)

**· Classification according to Regulation (EC) No 1272/2008**

Eye Dam 1 H318 - Calculation method

Skin Irrit 2 H315 - Calculation method

**· Department issuing SDS:****· 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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – 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

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

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

**· Sources** <http://echa.europa.eu>**· \* Data compared to the previous version altered.**

GB