

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

Printing date 14.04.2023

Version number 2

Revision: 14.04.2023

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

- **1.1 Product identifier**
- **Trade name:** Solu Cleaner
- **Int. code:** 906
- **UFI:** 1SG2-W015-C00E-C3RQ
- **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.
- **Uses advised against**
- **1.3 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
- **1.4 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**



health hazard

STOT RE 1                      H372 Causes damage to organs through prolonged or repeated exposure.  
 Asp. Tox. 1                    H304 May be fatal if swallowed and enters airways.



corrosion

Eye Dam. 1                    H318 Causes serious eye damage.  
 Aquatic Chronic 3          H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms** GHS05, GHS08
- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, <2% aromatics  
Isotridecanol, ethoxylated
- **Hazard statements**  
H318 Causes serious eye damage.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H304 May be fatal if swallowed and enters airways.  
H412 Harmful to aquatic life with long lasting effects.

(Contd. on page 2)

GB

**Safety data sheet**  
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**Trade name: Solu Cleaner**

(Contd. of page 1)

**Precautionary statements**

- P260 Do not breathe mist/vapours/spray.  
 P264 Wash contaminated body parts thoroughly after handling.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves / protective clothing.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P331 Do NOT induce vomiting.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P314 Get medical advice/attention if you feel unwell.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards**
**Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**
**3.2 Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

EC number: 919-164-8	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, <2% aromatics	50-100%
	⚠ STOT RE 1, H372; Asp. Tox. 1, H304; Aquatic Chronic 3, H412	
CAS: 69011-36-5	Isotridecanol, ethoxylated	≥3-≤10%
	⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	

**Ingredients according EC/648/2004**

aliphatic hydrocarbons	≥30%
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- **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:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **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.
- **Information for doctor:**  
Small amounts of liquid aspirated during ingestion or from vomiting may cause bronchopneumonia or pulmonary edema.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.

(Contd. on page 3)

GB

**Safety data sheet**  
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Version number 2

Revision: 14.04.2023

**Trade name: Solu Cleaner**

(Contd. of page 2)

- **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:**  
 Foam  
 Fire-extinguishing powder  
 Water haze
- **5.2 Special hazards arising from the substance or mixture**  
 During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
 Ensure adequate ventilation  
 Mount respiratory protective device.  
 Wear protective equipment. Keep unprotected persons away.  
 Wear protective clothing.
- **6.2 Environmental precautions:**  
 Do not allow product to reach sewage system or any water course.  
 Inform respective authorities in case of seepage into water course or sewage system.  
 Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
 Ensure adequate ventilation.  
 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**  
 Work only in fume cupboard.  
 Ensure good ventilation/exhaustion at the workplace.  
 Prevent formation of aerosols.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **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:**  
 Store receptacle in fume cupboard.

(Contd. on page 4)

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

Printing date 14.04.2023

Version number 2

Revision: 14.04.2023

**Trade name: Solu Cleaner**

(Contd. of page 3)

Keep container tightly sealed.

Use only polymer packing for storage and sending.

· **Storage class:** -· **7.3 Specific end use(s)** No further relevant information available.
**SECTION 8: Exposure controls/personal protection**
· **8.1 Control parameters**· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists valid during the making were used as basis.· **8.2 Exposure controls**· **Appropriate engineering controls** No further data; see item 7.· **Individual protection measures, such as 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.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **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.

Not necessary if room is well-ventilated.

· **Hand protection**

Protective gloves

· **Material of gloves**

Synthetic rubber gloves

Material : nitrile rubber, butyl rubber

Glove thickness :  $\geq 0.4$  mmPenetration time :  $\geq 480$  min.· **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/face protection**

Tightly sealed goggles

GB

(Contd. on page 5)

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

Printing date 14.04.2023

Version number 2

Revision: 14.04.2023

Trade name: Solu Cleaner

(Contd. of page 4)

**SECTION 9: Physical and chemical properties**

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

**· General Information**

· Physical state	Fluid
· Colour:	Colourless
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	150 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	>61 °C
· Ignition temperature:	>200 °C
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic at 20 °C:	5 mPas
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	1 hPa
· Density and/or relative density	
· Density at 20 °C:	0.808 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.

**· 9.2 Other information**

· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Not determined
· Solvent content:	
· Organic solvents:	95.0 %
· VOC (EC)	95.0 %
· Solids content:	0.0 %
· Change in condition	
· Evaporation rate	Not determined.

**· Information with regard to physical hazard classes**

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void

(Contd. on page 6)

GB

**Safety data sheet**  
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Printing date 14.04.2023

Version number 2

Revision: 14.04.2023

Trade name: Solu Cleaner

(Contd. of page 5)

· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

**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** Reacts with oxidising agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide (CO)

**SECTION 11: Toxicological information**

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**

· <b>LD/LC50 values relevant for classification:</b>		
<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, &lt;2% aromatics</b>		
Oral	LD50	>5,000 mg/kg (rat) (OESO 401)
Dermal	LD50	>5,000 mg/kg (rabbit) (OESO 402)
Inhalative	LC50/4 h	4,951 mg/l (rat) (OESO 403)

Oral	LD50	>5,000 mg/kg (rat) (OESO 401)
Dermal	LD50	>5,000 mg/kg (rabbit) (OESO 402)
Inhalative	LC50/4 h	4,951 mg/l (rat) (OESO 403)

- **Serious eye damage/irritation** Causes serious eye damage.
- **STOT-repeated exposure** Causes damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** May be fatal if swallowed and enters airways.
- **11.2 Information on other hazards**

· <b>Endocrine disrupting properties</b>	
None of the ingredients is listed.	

GB

(Contd. on page 7)

**Safety data sheet**  
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Version number 2

Revision: 14.04.2023

Trade name: Solu Cleaner

(Contd. of page 6)

**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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
- The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
- 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.
- Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
- Do not allow product to reach ground water, water course or sewage system.
- Must not reach sewage water or drainage ditch undiluted or unneutralised.
- Danger to drinking water if even small quantities leak into the ground.
- Harmful to aquatic organisms

**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.

**SECTION 14: Transport information**

- |  |      |
|--|------|
| · <b>14.1 UN number or ID 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 |

(Contd. on page 8)

GB

**Safety data sheet**  
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Trade name: Solu Cleaner

(Contd. of page 7)

· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **According to EU 878/2020** Meets
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations:**  
The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

Kinderveilige sluiting bij dit product.

The aerosol is an aerosol with a two-compartment system. The product, without propellant, is contained in the inner compartment (bag of foil). Between the bag (with product) and the can is pressurized air, which puts pressure on the bag and propels the product outside when the nozzle is pushed.

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**  
EU Regulation on aerosols 75/324/EC, 1994/1/EC and 2008/47/EC  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H318 Causes serious eye damage.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.
- **Classification according to Regulation (EC) No 1272/2008**  
Eye Dam.1 H318 - Método de cálculo  
STOT RE.1 H372 - Método de cálculo  
Asp. Tox.1 H314 - Método de cálculo  
Aquatic Chronic 3 H412 - Método de cálculo  
Eye Dam.1 H318 - Calculation method  
STOT RE.1 H372 - Calculation method  
Asp. Tox.1 H314 - Calculation method  
Aquatic Chronic 3 H412 - Calculation method

(Contd. on page 9)

GB



**Safety data sheet  
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Revision: 14.04.2023

**Trade name: Solu Cleaner**

(Contd. of page 8)

**· Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route  
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)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 4: Acute toxicity – Category 4  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1  
Asp. Tox. 1: Aspiration hazard – Category 1  
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