

**DG Enviro Cleaner**

according to Regulation (EC) No. 1907/2006, 2020/878  
**Issue, dated: 21. 02. 2022**  
**Version EN:1.0**

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

**1.1. Product identifier** DG Enviro Cleaner

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

Identified uses: Save, water based cleaner agent for cleaning and degreasing of washable surfaces.

Uses advised against: no information available

**1.3. Details of the supplier of the safety data sheet**

Duo Ghibli  
ul. Światowida 6  
71-726 Szczecin  
Phone: +48 606 362 590  
E-mail address of the person responsible for data sheet: [biuro@dgpc.pl](mailto:biuro@dgpc.pl)

**1.4. Emergency telephone number** +48 606 362 590 – hours: 8.00 – 16.00  
112 (general emergency telephone number), 998 (fire-brigade), 999 (ambulance);

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

Acc. to 1272/2008  
Eye Irrit. 2; H319

**Human health dangers:**

Causes serious eye irritation

**Environmental hazards:**

None.

**Physic-chemical hazards:**

None.

**2.2. Label elements**

**Pictograms:**



**Signal Word:** Warning

**Hazard Statement:**

**H319** – Causes serious eye irritation

**Precautionary Statement:**

**P264** – Wash hands thoroughly after handling

**P280** – Wear protective gloves/ eye protection.

**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.

**According to Regulation (EC) No 648/2004**

Contains: <5% nonionic surfactants, anionic surfactants

**2.3. Other hazards**

Annex XIII - Criteria for the identification of Persistent, Bioaccumulative and Toxic substances (BBT), and very Persistent and very Bioaccumulative substances (vPvB) - not applicable

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Substances with endocrine disrupting properties (in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100(3) or Commission Regulation (EU) 2018/605) – not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable.

#### 3.2. Mixtures

Hazardous components:

Substance name	contains %	Hazard Class and Category Code(s)	Hazard Statement Code(s) Suppl. Hazard statement Code(s)	- Specific Conc. Limits, - M-factors - ATEs
Alcohols, C9-11, ethoxylated CAS No.: 68439-46-3 EC No.: - Index No.: - REACH No.: polimer	2 – <4	Acute Tox.4 Eye Dam.1	H302 H318	-
Butyleneglycol* CAS No.: 110-63-4 EC No.: 203-786-5 Index No.: - REACH No.: 01-2119471849-20	1,5 – 2,5	Acute Tox.4	H302	-
Orange terpenes CAS No.: 8028-48-6 EC No.: 232-433-8 Index No.: - REACH No.: 01-2119493353-35	1 – 1,5	Flam. Liq.3 Asp.Tox.1 Skin Irrit.2 Aquatic Chronic 3	H226 H304 H315 H412	-
Alkylbenzenesulfonic acid CAS No.: 85117-49-3 EC No.: 285-599-9 Index No.: - REACH No.: -	0,5 – 1,0	Skin Corr. 1B Acute Tox.4	H314 H302	-

Full text of H-phrases in Section 16

\*Substance for which workplace exposure limits are available

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Skin contact:

Remove contaminated clothing, wash affected skin with soap and water, rinse thoroughly with water.

##### Eye contact:

Rinse for several minutes (about 15) with plenty of water, holding eyelids apart. Avoid strong stream, due to the risk of corneal damage, contact your doctor.

##### Inhalation:

Remove to fresh air, if symptoms persist, obtain medical advice.

##### Ingestion:

Do not induce vomiting, drink plenty of water, rinse your mouth with water, immediately contact your doctor.

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

Skin contact: Prolonged contact may cause redness and skin degreasing

Eye contact: It causes chemical irritation of eyes.

Respiratory: May cause irritation of mucous membranes of the respiratory system.

Gastrointestinal tract: Ingestion may cause irritation of the mucous membranes of mouth, gastrointestinal tract.

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

The decision about how to conduct the physician.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media:** foam, dry powder extinguishers, CO<sub>2</sub>, water spray. Use appropriate extinguishing method for conditions.

**Unsuitable extinguishing media:** Water with full jet

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

During a fire, high temperature, release toxic decomposition products (carbon oxides).

### 5.3. Advice for firefighters

In the event of a fire in a confined space should wear protective clothing and breathing apparatus with compressed air. Do not allow fire-fighting water run-off into surface water, groundwater and sewer.

## SECTION 6: Accidental release measures

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

*For non-emergency personnel:* Notify the appropriate service. Reduce access to the area of failure until the relevant cleaning operations have been completed.

*For emergency responders:* Ensure adequate ventilation. Avoid contact with eyes.

### 6.2. Environmental precautions

Prevent from spreading or escaping into drains and reservoirs.

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

Prevent leakage and absorb with inert, absorbent material (such as sand, earth, vermiculite, diatomaceous earth, etc.). The contaminated material is placed in properly labeled containers for disposal in accordance with applicable regulations.

### 6.4. Reference to other sections

Disposal considerations – see section 13.

Personal precautions – see section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes. Avoid contact with skin.

Work in accordance with the principles of safety and hygiene: Do not eat, drink and smoke at work, wash your hands after use, remove contaminated clothing and protective equipment before entering places for meals. Follow the instructions provided on the label and instructions for use.

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

Store in a cool, dry, well ventilated place in properly labeled and tightly closed original container.

Avoid direct sunlight and heat sources, hot surfaces and open flames.

Store away from strong alkalis and oxidizing agents (containing sodium hypochlorite).

### 7.3. Specific end use(s)

See section 1.2. - no additional recommendations

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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters:**

Occupational exposure limit values:

Substance	Butan-1,4-diol			
CAS No.	110-63-4			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Austria	50	200	200	800
Germany (AGS)	50 (1)	200 (1)	200 (1)(2)	800 (1)(2)
	Remarks			
Germany (AGS)	(1) Inhalable aerosol and vapour (2) 15 minutes reference period			

**8.2. Exposure controls****Engineering controls:**

General ventilation is recommended.

Observe occupational health and safety.

Wash hands during breaks and after working with the product.

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

Take off contaminated clothing and wash it before reuse.

**Individual protection measures, such as personal protective equipment:**

Personal protective equipment should be selected according to the hazards present at the workplace, taking into account Regulation (EU) 2016/425 of the European Parliament and of the Council and in accordance with the relevant CEN standards.

**Eye protection:**

Use safety glasses (according to EN 166)

**Skin protection:**

Hands:

Use hand protection chosen according to working conditions should meet the requirements of the standard EN374.

**Recommended material:**butyl rubber: thickness  $\geq 0,36\text{mm}$ , penetration time:  $> 480\text{min}$ .nitrile rubber: thickness  $\geq 0,38\text{mm}$ , penetration time:  $> 480\text{min}$ ,neoprene: thickness  $\geq 0,65\text{mm}$ , penetration time:  $> 240\text{min}$ .

The selection of suitable gloves does not only depend on the material, but also on the brand and quality resulting from differences in manufacturers. Resistance of the material, the glove can be determined after the tests. The exact time of the destruction of the protective gloves must be determined by the manufacturer.

**Other:**

Wear protective clothing working - wash regularly.

**Respiratory Protection:**

No special requirements.

**Thermal hazards:**

Not applicable.

**Environmental exposure controls:**

Prevent the spread in the environment and enter drains and watercourses.

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**SECTION 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties:**

a)	Physical state	Liquid
b)	Colour	Orange
c)	Odour	Characteristic
d)	Melting point/freezing point (Does not apply to gases)	No date available
e)	Boiling point or initial boiling point and boiling range	No date available
f)	Flammability (Applies to gases, liquids and solids)	Not flammable
g)	Lower and upper explosion limit (Do not apply to solids)	No date available
h)	Flash point (Does not apply to gases, aerosols and solids)	No date available
i)	Auto-ignition temperature (Only applies to gases and liquids)	No date available
j)	Decomposition temperature (Only applies to self-reactive substances and mixtures, organic peroxides, and other substances and mixtures that may decompose)	Not applicable
k)	pH (Does not apply to gases)	10,5
l)	Kinematic viscosity (Only applies to liquids)	No date available
m)	Solubility	In water: completely soluble
n)	Partition coefficient n-octanol/water (log value)	Not applicable - mixture
o)	Vapour pressure	No date available
p)	Density and/or relative density (Only apply to liquids and solids)	1,01g/cm <sup>3</sup>
q)	Relative vapour density (Only applies to gases and liquids)	No date available
r)	Particle characteristics (Only apply to solids)	Not applicable

**9.2 Other information:**

None.

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**SECTION 10: Stability and reactivity****10.1 Reactivity**

There are no particular risks of reaction with other substances in normal conditions and temperatures of use.

**10.2 Chemical stability:**

Stable under normal conditions of use, storage and transport.

**10.3 Possibility of hazardous reactions**

In the reaction of sodium hypochlorite releases chlorine.

**10.4 Conditions to avoid:**

Avoid direct sunlight, heat, open flames, hot surfaces.

**10.5 Incompatible materials:**

Strong bases, strong oxidizing agents (sodium hypochlorite).

**10.6 Hazardous decomposition products:**

No decomposition under recommended conditions of use and storage.

Toxic decomposition products – see Section 5.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

a)	Acute toxicity	Based on the available data, the classification criteria are not met
b)	Skin corrosion/irritation	Based on the available data, the classification criteria are not met
c)	Serious eye damage/irritation	<b>Causes serious eye irritation.</b>
d)	Respiratory or skin sensitization	Based on the available data, the classification criteria are not met
e)	Germ cell mutagenicity	Based on the available data, the classification criteria are not met
f)	Carcinogenicity	Based on the available data, the classification criteria are not met
g)	Reproductive toxicity	Based on the available data, the classification criteria are not met
h)	STOT-single exposure	Based on the available data, the classification criteria are not met
i)	STOT-repeated exposure	Based on the available data, the classification criteria are not met
j)	Aspiration hazard	Based on the available data, the classification criteria are not met

**11.2. Information on other hazards****Endocrine disrupting properties**

None.

**SECTION 12: Ecological information****12.1 Toxicity:**

Mixture is not classified as dangerous for environmental.

Prevent the spread in the environment and enter drains and watercourses.

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### **12.2. Persistence and degradability**

For mixture: no information available

The surfactants contained in this mixture comply with the biodegradability criteria stipulated in Regulation (EC) 648/2004 on detergents. The information to prove this is available to the relevant authorities of the Member States and will be shown to them by direct request or the request of a detergent manufacturer.

### **12.3. Bioaccumulative potential**

For mixture: no information available

### **12.4. Mobility in soil**

For mixture: no information available

### **12.5. Results of PBT and vPvB assessment**

Mixture has no substances that meet the criteria for classification as PBT or vPvB in accordance with Annex XIII of REACH.

### **12.6. Endocrine disrupting properties**

Mixture has no substances with endocrine disrupting properties.

### **12.7. Other adverse effects**

No information available.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

Recommendations for the product: Dispose of in accordance with local regulations. Store in original containers. Waste code should be given at the place of manufacture.

Recommendations for used packaging: Recycle / recycle / dispose of packaging waste in accordance with applicable regulations. Only fully emptied packaging can be recycled.

**Directive 2008/98/EC Of The European Parliament And Of The Council of 19 November 2008 on waste and repealing certain Directives as amended**  
**European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended**

## **SECTION 14: Transport information**

ADR/RID/IMDG/IATA:

### **14.1. UN number**

Not applicable, the product is not classified as dangerous in transport

### **14.2. UN proper shipping name**

Not applicable, the product is not classified as dangerous in transport

### **14.3. Transport hazard class(es)**

Not applicable, the product is not classified as dangerous in transport

### **14.4. Packing group**

Not applicable, the product is not classified as dangerous in transport

### **14.5. Environmental hazards**

Not applicable, the product is not classified as dangerous in transport

### **14.6 Special precautions for user**

Not applicable, the product is not classified as dangerous in transport

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**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable, the product is not classified as dangerous in transport

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU REGULATIONS:**

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.
2. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
3. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.
4. Regulation (EU) 2016/425 of The European Parliament and of The Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC
5. Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
6. Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC
7. Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
8. Commission Directive (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU
9. Commission Directive (EU) 2019/1831 of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
10. Directive 2008/98/EC Of The European Parliament And Of The Council of 19 November 2008 on waste and repealing certain Directives as amended
11. European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended

**15.2. Chemical safety assessment**

No chemical safety assessments for the mixture.

- List of substances subject to authorization (REACH; Annex XIV): not applicable
- Candidate list of SVHCs: not applicable
- Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (REACH; Annex XVII): not applicable

**SECTION 16: Other information****Abbreviations and acronyms, list of hazard statements used in the safety data sheet:**

**H226** – Flammable liquid and vapour

**H302** – Harmful if swallowed

**H304** – Połknięcie i dostanie się przez drogi oddechowe może grozić śmiercią

**H314** – Causes severe skin burns and eye damage

**H315** – Causes skin irritation



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**H318** – Causes serious eye damage

**H319** – Causes serious eye irritation

**H412** – Harmful to aquatic life with long lasting effects

**Flam. Liq.3** – Flammable liquid cat. 3

**Acute Tox.4** – Acute toxicity cat. 4

**Asp. Tox. 1** – Aspiration hazard cat. 1

**Skin Corr. 1B** – Skin corrosion cat. 1B

**Skin Irrit.2** – Skin irritation cat. 2

**Eye Dam.1** – Serious eye damage cat. 1

**Eye Irrit.2** – Eye irritation cat. 2

**Aquatic Chronic 3** – Hazardous to the aquatic environment cat. 3

**PBT** – Persistent, Bioaccumulative and Toxic

**vPvB** – very Persistent and very Bioaccumulative

**ADR** – International Carriage of Dangerous Goods by Road

**RID** – International Carriage of Dangerous Goods by Rail

**IMDG** – International Maritime Dangerous Goods

**ICAO** – Safe Transport of Dangerous Goods by Air

### Classification procedure:

Eye Irrit. 2; H319	Based on the content of the ingredients (calculation method)
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### Changes to the previous version

Section	Changes
Section 2, 3, 9, 11, 12, 14	Change in accordance with Reg. 2020/878
Section 15	Change of regulations

### Training:

Before working with the product is recommended safety training of employees in connection with the occurrence of workplace chemicals. Documentation should be prepared and employees should be familiarized with the results of risk assessment in the workplace associated with the presence of chemical agents.

### RESOURCES

Annex to Regulation (EU) 2020/878.

Current legislation (Section 15).

Information Agency for Chemical Substances.

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by producer and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*