

DG Biver HD

according to Regulation (EC) No. 1907/2006, 2020/878

Update: 21. 02. 2022

Version EN: 2.0;

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

1.1. Product identifier DG Biver HD

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

Identified uses: Degreaser. Agent for cleaning extremely dirty 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

1.4. Emergency telephone number

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

Skin Corr. 1B; H314

Eye Dam. 1; H318

Human health dangers:

Causes severe skin burns and eye damage

Environmental hazards:

None.

Physic-chemical hazards:

None.

2.2. Label elements

Contain: Potassium hydroxide (CAS: 1310-58-3)

Pictograms:



Signal Word: Danger

Hazard Statement:

H314 – Causes severe skin burns and eye damage

Precautionary Statement:

P280 – Wear protective gloves/protective clothing/eye protection/face protection

P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER/doctor

P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

P310 – Immediately call a POISON CENTER/doctor

P405 – Store locked up.

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Contains: <5% amphoteric surfactants, EDTA and salts thereof, NTA (nitrilotriacetic acid) and salts thereof

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

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
2-butoxyethanol * CAS No.: 111-76-2 EC No.: 203-905-0 Index No.: 603-014-00-0 REACH No.: 01-2119475108-36-XXXX	2 – 6	Acute Tox. 4 Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2	H302 H332 H315 H319	ATE oral: 1200mg/kg
Alkilodimethylamine oxide CAS No.: 70592-80-2 EC No.: 274-687-2 Index No.: - REACH No.: -	2	Skin Irrit.2 Eye Dam.1	H315 H318	-
Potassium hydroxide* CAS No.: 1310-58-3 EC No.: 215-181-3 Index No.: 019-002-00-8 REACH No.: 01-2119487136-33-XXXX	<5	Skin Corr. 1A Acute Tox.4	H314 H302	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %
Tetrasodium ethylene diamine tetraacetate CAS No.: 64-02-8 EC No.: 200-573-9 Index No.: 607-428-00-2 REACH No.: 01-2119486762-27-XXXX	1,5 – 2,5	Acute Tox.4 Eye Dam.1	H302 H318	-
Trisodium nitrilotriacetate* CAS No.: 5064-31-3 EC No.: 225-768-6 Index No.: 607-620-00-6 REACH No.: 01-2119519239-36-XXXX	<1	Carc. 2 Acute Tox.4 Eye Irrit.2	H351 H302 H319	Carc. 2; H351: C ≥ 5 %

Full text of H-phrases in Section 16

*Substance for which workplace exposure limits are available

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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, in case of irritation, consult a doctor.

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:

In the event of dizziness or nausea, remove casualty to fresh air, if symptoms persist, obtain medical advice.

Ingestion:

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

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

Skin contact: Causes severe skin burns.

Eye contact: Causes serious eye damage.

Respiratory: May cause respiratory irritation, cough, shortness of breath, difficulty breathing.

Gastrointestinal tract: Ingestion may cause irritation of the mucous membranes of mouth, gastrointestinal tract, abdominal pain, stomach cramps, nausea, vomiting, diarrhea, headaches and dizziness - symptoms of food poisoning

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, CO₂, 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

Cool containers with water spray, if possible remove from the danger zone. 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. Avoid contact with the released product.

For emergency responders: Ensure adequate ventilation. Use personal protective equipment (according to section 8). Do not breathe vapors.

6.2. Environmental precautions

Prevent from spreading or escaping into drains and reservoirs. Inform local authorities if you fail to provide protection.

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.

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Disposal considerations – see section 13.

Personal precautions – see section 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Use in well ventilated area. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapors. Avoid sources of ignition, heat, hot surfaces and open flames. 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 (storage temperature to 20°C), dry, well ventilated place in properly labeled and tightly closed original container. Avoid direct sunlight and heat sources, hot surfaces and open flames.

7.3. Specific end use(s)

See section 1.2. - no additional recommendations

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

Occupational exposure limit values:

Substance	2-Butoxyethanol			
CAS No.	111-76-2			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Australia	20	96,9	50	242
Austria	20	98	40	200
Belgium	20	98	50 (1)	246 (1)
Canada - Ontario	20			
Canada - Québec	20	97		
Denmark	20 (1)	98 (1)	40 (1)(2)	196 (1)(2)
European Union	20	98	50 (1)	246 (1)
Finland	20	98	50 (1)	250 (1)
France	10	49	50 (1)	246 (1)
Germany (AGS)	10 (1)	49 (1)	20 (1)(2)	98 (1)(2)
Germany (DFG)	10 (1)(2)	49 (2)	20 (1)(2)(3)	98 (2)(3)
Hungary		98		246
Ireland	20	98	50 (1)	246 (1)
Israel	20	97		
Italy	20 (1)	98 (1)	50 (1)(2)	246 (1)(2)
Japan (MHLW)	25			
Japan (JSOH)	20 (1)(2)	97 (1)(2)		
Latvia	20	98	50 (1)	246 (1)
New Zealand	25	121		

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Norway	10 (1)	50 (1)		
Poland		98		200
Romania	20	98	50 (1)	246 (1)
Singapore	25	121		
South Korea	20	97		
Spain	20 (1)	98 (1)	50 (1)(2)	245 (1)(2)
Sweden	10	50	50 (1)	246 (1)
Switzerland	10	49	20	98
The Netherlands		100		246
Turkey	20	98	50 (1)	246 (1)
USA - NIOSH	5	24		
USA - OSHA	50	240		
United Kingdom	25	123	50	246
	Remarks			
Belgium	Additional indication "D" means that the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air. (1) 15 minutes average value			
Denmark	(1) Skin (2) 15 minutes average value			
European Union	(1) 15 minutes average value Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ (for references see bibliography)			
Finland	(1) 15 minutes average value			
France	Bold type: Restrictive statutory limit values Skin (1) 15 minutes average value			
Germany (AGS)	(1) Skin (2) 15 minutes average value			
Germany (DFG)	(1) MAK value applies for the sum of the concentrations of 2-Butoxyethanol and 2-Butoxyethylacetate in air (2) Skin (3) 15 minutes average value			
Ireland	(1) 15 minutes reference period			
Italy	(1) Skin (2) 15 minutes average value			
Japan (JSOH)	(1) Exposure concentrations must be kept below this level. (2) Skin			
Latvia	(1) 15 minutes average value			
Norway	(1) Skin			
Romania	(1) 15 minutes average value			
Spain	(1) Skin (2) 15 minutes average value			
Sweden	(1) 15 minutes average value			
Turkey	(1) 15 minutes average value			

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Substance	Potassium hydroxide			
CAS No.	1310-58-3			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Australia				2 (1)
Austria		2 inhalable aerosol		
Belgium				2 (1)(2)
Canada - Ontario				2 (1)
Canada - Québec				2 (1)
Denmark		2		2 (1)(2)
Finland				2 (1)
France				2
Hungary		2		2
Ireland				2 (1)
Japan (JSOH)		2 (1)		
New Zealand				2 (1)
Norway				2 (1)
People's Republic of China				2 (1)
Poland		0,5		1
Singapore				2
South Korea				2 (1)
Spain		2		
Sweden		1		2 (1)
Switzerland		2 inhalable aerosol		
USA - NIOSH				2 (1)
United Kingdom				2
	Remarks			
Australia	(1) Ceiling limit value			
Belgium	(1) Additional indication "M" means that irritation occurs when the exposure exceeds the limit value or there is a risk of acute poisoning. The work process must be designed in such a way that the exposure never exceeds the limit value. For evaluation, the sampled period should be as short as possible. However, the sampled period shall be long enough to perform a reliable measurement. The measured result shall be related to the considered period. (2) 15 minutes average			
Canada - Ontario	(1) Ceiling limit value			
Canada - Québec	(1) Ceiling limit value			
Denmark	(1) Skin (2) Ceiling limit value			
Finland	(1) Ceiling limit value			
Ireland	15 minutes reference period			
Japan (JSOH)	(1) Occupational exposure limit ceiling; Reference value to the maximal exposure concentration of the substance during a working day			
New Zealand	(1) Ceiling limit value			
Norway	(1) Ceiling limit value			

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People's Republic of China	(1) Ceiling limit value
South Korea	(1) Ceiling limit value
Sweden	(1) 15 minutes average value
USA - NIOSH	(1) Ceiling limit value

Substance	Nitrilotriacetic acid and its sodium salts			
CAS No.	139-13-9 18994-66-6 15467-20-6 23255-03-0 5064-31-3 18662-53-8			
Remarks	as acid			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Germany (AGS)		2 (1)(2)		8 (1)(2)(3)
Germany (DFG)		2		8 (1)
	Remarks			
Germany (AGS)	(1) Inhalable fraction (2) Avoid mixed exposures to iron compounds (formation of Fe-NTA) (3) 15 minutes average value			
Germany (DFG)	(1) 15 minutes average value			

2-Butoxyethanol

DNEL Industrial, inhalation, long-term, systemic: 98mg/m³
 DNEL Industrial, inhalation, short-term, systemic: 1091mg/m³
 DNEL Industrial, inhalation, short-term, local: 246mg/m³
 DNEL consumer, inhalation, long-term, systemic: 59mg/m³
 DNEL consumer, inhalation, short-term, systemic: 426mg/m³
 DNEL consumer, inhalation, short-term, local: 147mg/m³
 DNEL consumer, oral, long-term, systemic: 6,3mg/kg/d
 DNEL consumer, oral, short-term, systemic: 26,7mg/kg/d
 PNEC fresh water: 8,8mg/l
 PNEC marine water: 0,88mg/l
 PNEC sediment fresh water: 34,6mg/kg
 PNEC sediment marine water: 3,46mg/kg
 PNEC sporadic release: 26,4mg/l
 PNEC STP: 463mg/l
 PNEC soil: 2,33mg/kg
 PNEC, oral: 0,02g/kg

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:

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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 (latex, nitrile rubber: PVC), should meet the requirements of the standard EN374.

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:

Avoid inhalation of vapors.

Thermal hazards:

Not applicable.

Environmental exposure controls:

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

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

a)	Physical state	Liquid
b)	Colour	Green
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)	Not self-igniting
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)	13,5

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l)	Kinematic viscosity (Only applies to liquids)	No date available
m)	Solubility	Soluble in water
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)	1,15g/cm ³
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.

SECTION 10: Stability and reactivity
10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal conditions of use, storage and transport.

10.3. Possibility of hazardous reactions

Exothermically reacts with acids.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Strong acids, strong oxidizing agents, light metals.

10.6 Hazardous decomposition product

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	Causes severe skin burns and eye damage.
c)	Serious eye damage/irritation	Causes serious eye damage.
d)	Respiratory or skin sensitization	Based on the available data, the classification criteria are not met

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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

2-Butoxyethanol

ATE oral: 1200mg/kg

ATE inhalation: 11mg/l, 4h (vapour)

Potassium hydroxide

LD50 (oral, rat) 273 mg/kg

Trisodium nitrilotriacetate

LD50 (oral, rat): 1000-2000 mg/kg

Alkilodimethylamine oxide:

LD50 (oral, rat): >2000 mg/kg

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.

2-Butoxyethanol

LC50 fish (Oncorhynchus mykiss): >100mg/l, 96h

NOEC fish (Danio rerio): >100mg/l, 21days

EC50 Daphnia magna: >100mg/l, 48h

NOEC Daphnia magna: 100mg/l, 21 days

EC50 algae (Pseudokirchneriella subcapitata): >100mg/l, 72h

EC10 algae (Pseudokirchneriella subcapitata): 88mg/l, 72h

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

2-Butoxyethanol

Easily biodegradable: >60% in 28 days.

12.4. Mobility in soil

For mixture: no information available

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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	ADN	IMDG	IATA
14.1. UN number	1814	1814	1814	1814
14.2. UN proper shipping name	POTASSIUM HYDROXIDE SOLUTION	POTASSIUM HYDROXIDE SOLUTION	POTASSIUM HYDROXIDE SOLUTION	Potassium hydroxide solution
14.3. Transport hazard class(es)	8 Label: 8 	8 Label: 8 	8 Label: 8 	8 Label: 8 
14.4. Packing group	III	III	III	III
14.5. Environmental hazards	No	No	No	No
14.6 Special precautions for user	Classification code: C1 LQ: 5L Transport category: 3 Tunnel restriction code: E Hazard identification number: 80	-	EmS: F-A, S-B Category A LQ: 5L	-

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14.7. Maritime transport in bulk according to IMO instruments	No date available	No date available	No date available	No date available
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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:****H302** – Harmful if swallowed**H314** – Causes severe skin burns and eye damage

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H315 – Causes skin irritation
H318 – Causes serious eye damage
H319 – Causes serious eye irritation
H332 – Harmful if inhaled.
H351 – Suspected of causing cancer
Acute Tox.4 – Acute toxicity cat. 4
Carc. 2 – Carcinogenicity cat. 2
Skin Corr. 1A – Skin corrosion cat. 1A
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
DNEL – derived no-effect level
PNEC – predicted no effect concentration
ATE – estimated acute toxicity
LD50 – lethal dose, 50%
LC50 – lethal concentration, 50%
EC50 – effective concentration, 50%
NOEC – no observed effects concentration
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

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.

Classification procedure:

Skin Corr. 1B; H314	Based on the content of the ingredients (calculation method)
Eye Dam. 1; H318	Based on the content of the ingredients (calculation method)

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

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.