

DG Rust Remover

according to Regulation (EC) No. 1907/2006, 2020/878
Update: 21.02.2022
Version EN: 4.0

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

1.1. Product identifier DG Rust Remover

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

Identified uses: Acidic liquid for rust and stain removal

Uses advised against: None

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

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

Human health dangers:

Causes severe skin burns and eye damage.

Environmental hazards:

None.

Physic-chemical hazards:

None.

2.2. Label elements

Contains: Phosphoric acid

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+P330+P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

DG Rust Remover



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

Update: 21.02.2022

Version EN: 4.0

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 ingredients:

Substance name	contains %	Hazard Class and Category Code(s)	Hazard Statement Code(s) Suppl. Hazard statement Code(s)	- Specific Conc. Limits, - M-factors - ATEs
Phosphoric acid * CAS: No. :7664-38-2 EC No.: 231-633-2 Index No.: 607-620-00-6 REACH No.: 01-2119485924-24-XXXX	14 – 24,5	Met. Corr. 1 Skin Corr. 1B	H290 H314	Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 %
Oxalic acid* CAS No.: 144-62-7 EC No.: 205-634-3 Index No.: 607-006-00-8 REACH No.: 01-2119534576-33-XXXX	2 – 4	Acute Tox. 4 Acute Tox. 4	H302 H312	-
2-butoxyethanol * CAS No. 111-76-2 EC No.: 203-905-0 Index No.: 603-014-00-0 REACH No.: 01-2119475108-36-XXXX	1 – 2	Acute Tox. 4 Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2	H302 H332 H315 H319	ATE oral: 1200mg/kg

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. Use soap to clean contaminated skin. Rinse the skin immediately using plenty of water. If irritation or erythema occurs, seek medical assistance.

Eye contact:

Promptly wash eyes with plenty of water (for approximately 15 min) with your eyes open wide. Avoid strong water jet, as it might damage the cornea. Seek medical attention. If possible, continue washing eyes with fresh water during transport to the doctor.

Inhalation:

Remove to fresh air. if you do not feel better, consult your doctor

Ingestion:

Do not induce vomiting. Rinse mouth with water. Give water to drink if the person is conscious Obtain medical attention.

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

Respiratory system: Inhalation of concentrated vapours may lead to mucosa irritation of the nose, throat and further parts of the respiratory system, cough, dyspnea, breathing difficulty.

DG Rust Remover

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

Update: 21.02.2022

Version EN: 4.0

Gastrointestinal tract: Causes burns in abdominal mucus, with the risk of perforation, abdominal pain, cramps, nausea, vomiting, diarrhea, general sensation of feeling unwell, headache and dizziness - symptoms of food poisoning.

Eye contact: Splashes causes pain and burns. Risk of permanent visual impairment.

Skin contact: Product may cause chemical burns of the skin and mucous membranes with blisters and sores.

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

Treat symptomatically.

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: Do not use a direct water jet.

5.2. Special hazards arising from the substance or mixture

The product is not flammable.

Noxious fumes are produced under fire conditions (e.g. carbon oxides) and other toxic vapours. Their inhalation may be hazardous to health.

5.3. Advice for firefighters

Containers in fire area cooled with water spray, if it is possible to remove the danger zone.

Do not allow fire-fighting water run-off into surface water, groundwater and sewer.

In the event of a fire in a confined space should wear protective clothing and breathing apparatus with compressed air.

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).

6.2. Environmental precautions

Do not allow this product to enter drains, sewers or watercourses.

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

Refer to protective measures listed in section 8.

Refer to disposal considerations listed in section 13.

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

Use only in well ventilated area. Avoid inhalation of vapors. Avoid contact with the eyes. Avoid prolonged or repeated contact with the skin.

Keep away from ignition sources - no smoking.

Do not eat, drink or smoke while using the product. Wash your hands after using the product. Remove contaminated clothing and protective equipment from entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area in a properly labeled tightly sealed original container.

The recommended temperature of storage should not exceed 30°C.

DG Rust Remover



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

Update: 21.02.2022

Version EN: 4.0

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

Do not store in tanks/containers made of material (eg. aluminum) that may be attacked by acidic substances.

Keep in a frost-free place.

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	Orthophosphoric acid			
CAS No.	7664-38-2			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Australia		1		
Austria		1		2
Belgium		1		2 (1)
Canada - Ontario		1		3
Canada - Québec		1		3
Denmark		1		2
European Union		1		2 (1)
Finland		1		2 (1)
France	0,2	1	0,5	2
Germany (AGS)		2 inhalable aerosol		4 inhalable aerosol (1)
Germany (DFG)		2 (1)		4 (1)(2)
Hungary		1		2
Ireland		1		2 (1)
Italy		1		2 (1)
Japan (JSOH)		1		
Latvia		1		2 (1)
New Zealand		1		
Norway		1		
People's Republic of China		1		3 (1)
Poland		1		2
Romania		1		2 (1)
Singapore		1		
South Korea		1		3
Spain		1		2
Sweden		1		2 (1)
Switzerland		2 (1)		4 (1)(2)
The Netherlands		1		2
Turkey		1		2 (1)

MATERIAL SAFETY DATA SHEET

DG Rust Remover



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

Update: 21.02.2022

Version EN: 4.0

USA - NIOSH		1		3 (1)
USA - OSHA		1		
United Kingdom		1		2
	Remarks			
Belgium	(1) 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	Italic type: Indicative statutory limit values			
Germany (AGS)	(1) 15 Minutes average value			
Germany (DFG)	(1) Inhalable fraction (2) 15 minutes average value			
Ireland	(1) 15 minutes reference period			
Italy	(1) 15 minutes average value			
Latvia	(1) 15 minutes average value			
People's Republic of China	(1) 15 minutes average value			
Romania	(1) 15 minutes average value			
Sweden	(1) 15 minutes average value			
Switzerland	(1) Inhalable fraction (2) 15 minutes average value			
Turkey	(1) 15 minutes average value			
USA - NIOSH	(1) 15 minutes average value			

Substance	Oxalic acid			
CAS No.	144-62-7			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Australia		1		
Austria		1 inhalable aerosol		
Belgium		1		2 (1)
Canada - Ontario		1		2 (1)
Canada - Québec		1		2
Denmark		1		2
European Union		1		
Finland		1		3 (1)
France		1		
Germany (AGS)		1 (1)(2)		1 (1)(2)(3)
Hungary		1		
Ireland		1		
Italy		1		
Latvia		1		
New Zealand		1		2
Norway		1		
People's Republic of		1		2 (1)

MATERIAL SAFETY DATA SHEET

DG Rust Remover



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

Update: 21.02.2022

Version EN: 4.0

China				
Poland		1		2
Romania		1		
Singapore		1		2
South Korea		1		2
Spain		1		
Sweden		1		2 (1)
Switzerland		1 inhalable aerosol		
The Netherlands		1		
Turkey		1		
USA - NIOSH		1		2 (1)
USA - OSHA		1		
United Kingdom		1		2
	Remarks			
Belgium	(1) 15 minutes average value			
Canada - Ontario	(1) 15 minutes average value			
European Union	Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ (for references see bibliography)			
Finland	(1) 15 minutes average value			
France	Italic type: Indicative statutory limit values			
Germany (AGS)	(1) Inhalable fraction (2) Skin (3) 15 minutes average value			
People's Republic of China	(1) 15 minutes average value			
Sweden	(1) 15 minutes average value			
USA - NIOSH	(1) 15 minutes average value			

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)

MATERIAL SAFETY DATA SHEET

DG Rust Remover



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

Update: 21.02.2022

Version EN: 4.0

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		
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			

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

DG Rust Remover



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

Update: 21.02.2022

Version EN: 4.0

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:

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:

Safety goggles (EN 166). Eye washes must be available.

Skin protection:

Hands:

Appropriate chemical resistant gloves (EN 374)

Recommended material: acrylonitrile-butadiene rubber latex, natural rubber or PVC

Thickness: no information available

Time of penetration: no information available

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.

Respiratory Protection:

Not required in the recommended conditions of use. In case of insufficient ventilation use individual respiratory protection means.

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
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DG Rust Remover



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

Update: 21.02.2022

Version EN: 4.0

b)	Colour	Colorless to light yellow
c)	Odour	Characteristic
d)	Melting point/freezing point (Does not apply to gases)	-4 °C
e)	Boiling point or initial boiling point and boiling range	90 °C
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)	App. 1,0
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

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.

DG Rust Remover



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

Update: 21.02.2022

Version EN: 4.0

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage. Risk of explosion on contact with alkaline metals, aluminium powder, hydrogen cyanide, alcohol.

10.4. Conditions to avoid

Avoid high temperature, direct sunlight, hot surfaces and contact with open fire.

10.5. Incompatible materials

Alkalis, organic substances, strong oxidants.

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	Causes severe skin burns and eye damage.
c)	Serious eye damage/irritation	Causes severe skin burns and eye damage.
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

2-Butoxyethanol

ATE oral: 1200mg/kg

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

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.

DG Rust Remover



according to Regulation (EC) No. 1907/2006, 2020/878
 Update: 21.02.2022
 Version EN: 4.0

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

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

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	1805	1805	1805	1805
14.2. UN proper shipping name	PHOSPHORIC ACID, SOLUTION	PHOSPHORIC ACID, SOLUTION	PHOSPHORIC ACID, SOLUTION	Phosphoric acid, solution
14.3. Transport hazard class(es)	8 Label: 8	8 Label: 8	8 Label: 8	8 Label: 8

DG Rust Remover


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

Update: 21.02.2022

Version EN: 4.0

				
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	-
14.7. Maritime transport in bulk according to IMO instruments	No date available	No date available	No date available	No date available

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

DG Rust Remover



according to Regulation (EC) No. 1907/2006, 2020/878
 Update: 21.02.2022
 Version EN: 4.0

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 relevant hazard statements used in the safety data sheet:

H290 – May be corrosive to metals.
H302 – Harmful if swallowed
H312 – Harmful in contact with skin.
H314 – Causes severe skin burns and eye damage
H315 – Causes skin irritation
H319 – Causes serious eye irritation
H332 – Harmful if inhaled.
Met. Corr. 1 – Substance or mixture corrosive to metals cat. 1
Acute Tox.4 – Acute toxicity cat. 4
Skin Corr. 1B – Skin corrosion cat. 1B
Skin Irrit.2 – Skin irritation cat. 2
Eye Irrit.2 – Eye irritation cat. 2
DNEL – derived no-effect level
PNEC – predicted no effect concentration
ATE – estimated acute toxicity
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

Classification procedure:

Skin Corr. 1B; H314	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.

DG Rust Remover



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