

in accordance the Commission Regulation (EU) No **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)

1 SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Brush Cleaner

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

Identified uses: Brush cleaning liquid.

SU21: Professional uses

SU22: Consumer uses

Uses advised against: Every way of using not mentioned above or in the point 7.3.

1.3 Details of the supplier of the safety data sheet

Grupa Beautica Sylwia Pfajfer

ul. Senatorska 50/58-62

93-192 Łódź, Poland

E-mail address of person responsible for Safety Data Sheet:sprzedaz@spn.pl

1.4 Emergency telephone number

Nationwide emergency telephones (**Mon-Fri 8:00 – 16:00**): **+48 22 4004920**

112 (emergency telephone number), 998 (Fire Brigade), 999 (Medical Rescue Service),

2 SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical and chemical hazards:

Flammable liquids, Hazard Category 2 [Flam. Liq. 2]

Highly flammable liquid and vapour. (H225)

Health hazards

Specific target organ toxicity - Single exposure, Hazard Category 3, Narcosis[STOT SE 3]

May cause drowsiness or dizziness. (H336)

Serious eye damage/eye irritation, Hazard Category 2 [Eye Irrit. 2]

Causes serious eye irritation (H319)

Environmental hazards:

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



GHS02

GHS07

Substances which influenced classification



SAFETY DATA SHEET

Brush Cleaner

Revision: 15.05.2021

VERSION : 2.0/EN

in accordance the Commission Regulation (EU) No **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)

Ethyl acetate, N-butyl acetate, Propan-2-ol

Signal word: Danger

Hazard statement(s)

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H319 Causes serious eye irritation

Precautionary statement(s):

Prevention:

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves/eye protection

P273 Avoid release to the environment

Response:

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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.

Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or crackin

2.3 Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu>. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

3 SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances:

Not applicable

3.2 Mixtures:

Substance identifier	Name of the substance	Weight fraction %	Classification in line with The Regulation (EC) No. 1272/2008		
			Signal Word Code(s)	Hazard Class and Category Code(s)	Hazard Statement Code(s)
CAS: 141-78-6 WE (EINECS): 205-500-4 Index: 607-022-00-5 REACH-Reg No.:	<u>Ethyl acetate</u> [1]	50-75	GHS02 GHS07 Dgr	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336 EUH066
CAS: 123-86-4 WE (EINECS): 204-658-1 Index: 607-025-00-1 REACH-Reg No.:	<u>N-butyl acetate</u> [1]	10-25	GHS02 GHS07 Dgr	Flam. Liq. 3 STOT SE 3	H226 H336 EUH066
CAS: 67-63-0 WE (EINECS): 200-661-7 Index: 603-117-00-0 REACH-Reg No.:	<u>Propan-2-ol</u> [1]	5-10	GHS02 GHS07 Wng	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336



in accordance the Commission Regulation (EU) No **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)

CAS: 78-93-3 WE (EINECS): 201-159-0 Index: 606-002-00-3 REACH-Reg No.:	<u>Butanone/ [MEK] [1,2]</u>	1-5	GHS02 GHS07 Dgr	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336 EUH066
CAS: 64-17-5 WE (EINECS): 200-578-6 Index: 603-002-00-5 REACH-Reg No.:	<u>Ethyl alcohol [1]</u>	1-5	GHS02 Dgr	Flam. Liq. 2	H225

[1] Substance with national [PL,GB] exposure limit in the workplace

[2] Substance with at EU level exposure limit in the workplace

Full H phrases are specified in point 16 hereof.

4 SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Skin contact: Remove contaminated clothing, immediately wash skin with plenty of water. If there was no irritation, it is advisable to use soap. If irritation occurs, consult a doctor.

Eye contact: Consult a doctor if irritation occurs. Protect non-irritated eye, remove contact lenses. Rinse the irritated eye thoroughly with water for 10-15 minutes. Avoid strong stream of water - the risk of cornea damage.

Ingestion: Do not induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Call a doctor immediately and show container or label.

Inhalation: Consult a doctor immediately. Remove victim to fresh air, keep warm and at rest. Symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 24 hours

4.2 Most important symptoms and effects, both acute and delayed

Eye contact: Redness, tearing, mild irritation

Inhalation: Possible irritation of the mucous membranes of respiratory system, cough, drowsiness and dizziness, headaches

Skin contact: Repeated exposure may cause skin dryness or crackin

Ingestion: Abdominal pain, nausea, vomiting,

4.3 Indication of any immediate medical attention and special treatment needed

The decision and choice of rescue treatment are made by doctor after precise evaluation of the health condition of affected person. Symptomatal treatment.

5 SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Foam, powder, carbon dioxide, water in spray.

Unsuitable extinguishing media:

Jet water.

5.2 Special hazards arising from the substance or mixture

During the combustion, toxic gases may be generated, such as carbon monoxide, nitrogen oxides, organic vapors, etc. Avoid inhalation of combustion products that may pose a health risk.

5.3 Advice for firefighters

Safety and protective measures typical for fires. Do not stay in the hazard zone without adequate chemical-resistant clothing and a breathing apparatus with independent air circulation. Highly flammable. When under fire or when heated up, the tank may pressurize, which may cause an explosion hazard. Isolate the area under hazard and refrain from taking



in accordance the Commission Regulation (EU) No **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)

any actions which could potentially cause a risk to human health or life. Product vapors are heavier than air and accumulate in the lower parts of the rooms. There is a great likelihood of an explosive mixture of product and air creating – proceed with evacuation if such hazard occurs. All containers exposed to fire must be cooled down at a safe distance using a dispersed water jet. Do not allow fire extinguishing water to enter the sewage system, or penetrate surface or ground water

6 SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For the persons not taking part in the elimination of break down effects:

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. Ensure that the effects of breakdown are removed only by trained personnel. In case of large spills, isolate the exposed area. Ensure adequate ventilation. Wear adequate personal protective equipment. Remove all sources of ignition, do not use open flames or sparking tools. Prohibit smoking. Avoid contacting with skin, eyes, breathing dust. Remove sources of ignition, extinguish open fire, impose ban on smoking and on use of sparking equipment, avoid direct contact with released material

For the persons taking part in the elimination of break down effects:

Ensure that breakdown and its results are only trained personnel. Use personal protective equipment.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Collect product using liquid binding materials (eg. sand, earth, universal binding substances, silica etc.) and place it in correctly labelled containers. Treat collected material as waste. Flush product residues with water. Clean and ventilate contaminated place. Contaminated absorbent material may pose the same hazard as the spilled product

6.4 Reference to other sections

Appropriate conduct with waste product – section 13. Personal protection equipment – section 8.

7 SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Avoid contact with skin and eyes. Use appropriate personal protective measures. Wash hands before break and after work. Use as intended. Important! Risk of slipping on the released product

7.2 Conditions for safe storage, including any incompatibilities

Keep preparation in properly labelled, tightly closed containers. Warehouse must be equipped with mechanical air-condition system, and anti-explosive lighting installation. Outdoor storage is allowed containers should be kept away from heat sources. Product is extremely light sensitiv UV Smoking, using open fire and sparks creating tools is banned. Recommended storage temperature about 13-29 ° C. Keep containers upright to avoid possible leakage.

7.3 Specific end use(s)

See SECTION 2.1 sds.. The information herein should be interpreted for personal and professional salon use

8 SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

Substances whose occupational exposure limits have to be monitored in the work environment:

PL: Propan-2-ol [67-63-0]



SAFETY DATA SHEET

Brush Cleaner

Revision: 15.05.2021

VERSION : 2.0/EN

in accordance the Commission Regulation (EU) No **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)

TWA	900 mg/m ³
STEL	1200 mg/m ³
PL: Ethyl acetate [141-78-6]	
TWA	734 mg/m ³
STEL	1468 mg/m ³
PL: n-butyl acetate [123-86-4]	
TWA	240 mg/m ³
STEL	720 mg/m ³
PL Butan-2-one (methyl ethyl ketone) [78-93-3]	
TWA	400 mg/m ³
STEL	900 mg/m ³
PL: Ethanol 64-17-5	
NDS	1900 mg/m ³

Please check any national occupational exposure limit values in your country.

TWA /STEL

GB: Ethyl acetate [141-78-6] [EH40/2005]			
TWA (8h)		STEL (15 minute)	
mg/m ³	ppm	mg/m ³	ppm
734	200	1468	400
GB: Propan-2-ol [67-63-0]			
TWA (8h)		STEL (15 minute)	
mg/m ³	ppm	mg/m ³	ppm
999	400	1250	500
GB: n-butyl acetate [123-86-4] [EH40/2005]			
TWA (8h)		STEL (15 minute)	
mg/m ³	ppm	mg/m ³	ppm
724	150	966	200
GB: Butan-2-one (methyl ethyl ketone) [78-93-3] [EH40/2005]			
TWA (8h)		STEL (15 minute)	
mg/m ³	ppm	mg/m ³	ppm
660	200	869	300
UE:Butan-2-on/Butanon [78-93-3]			
TWA (8h)		STEL (15 minute)	
mg/m ³	ppm	mg/m ³	ppm
600	200	900	300
GB: Ethanol [64-17-5] [EH40/2005]			
TWA (8h)		STEL (15 minute)	
mg/m ³	ppm	mg/m ³	ppm
1000	1920		

Legal basis:

The Regulation of the Minister of Labour and Social Policy of June 12th, 2018 on maximal authorised concentrations and intensity of factors harmful to health in work environment (Dz. U. 2018 poz.1286)

The Regulation of the Minister of Health of 2 February 2011. On tests and measurements of health hazard factors in the work environment (Dz. U. No. 33, item. 166, 2011).



in accordance the Commission Regulation (EU) No **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)

The Regulation of the Minister of Health of 30 December 2004. On occupational health and safety related to occurrence of chemical agents at work (Dz. U. No. 11, pos. 86, 2005).

EH40/2005 Workplace exposure limits Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations 2002

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

Observe the general safety and hygiene. During operation, do not eat, drink or smoke. Avoid contact with skin and eyes. Avoid breathing vapors or aerosols. Ensure good ventilation at work stations local and general ventilation - to ensure the maintenance of concentrations of hazardous components in the atmosphere below the exposure limit values. In case of worker being drench, showers and eye safety washers should be installed near the working place.

Hand and body protection

Use gloves resistant to chemicals. Recommended glove material: nitrile rubber, PVA. In case of short-term exposure wear the protective gloves with protection level 2 or higher (breakthrough time > 30 min). In case of long-term exposure wear the protective gloves with protection level 6 (breakthrough time > 480 min). Wear protective clothing. When using protective gloves during work with chemical products, it should be noted that the efficacy levels and corresponding breakthrough times do not indicate actual times of protection at a particular workplace, because the protection can be affected by many factors, e.g. temperature, other substances etc. If there are any signs of degradation, damage or change in appearance (colour, flexibility, shape), it is recommended to replace the gloves with a new pair. Please follow the manufacturer's instructions, not only in terms of gloves' usage, but also in terms of their cleaning, maintenance and storage. It is also important to know how to take off the gloves in order to avoid hands contamination.

Eye/face protection

Wear goggles in a sealed enclosure, in case of emergency liquid splashing into the eye, exposure to mist or prolonged exposure to steam.

Respiratory protection :

If the limit values are exceed or in case of emergency use equipment or suitable protection class filter (class 1/protection against gases or vapours with a concentration in the air volume not exceeding 0.1%, class 2 / protection against gases or vapours with a concentration in the air not exceeding 0.5%, class 3 / protect against gases or vapours at concentrations in the air volume to 1%). In cases where the oxygen concentration is $\leq 17\%$ and / or maximum concentration of toxic substances in the air is $\geq 1.0\%$ by volume breathing apparatus should be used.

Personal protective equipment must meet requirements of directive 89/686/CE. Employer is obliged to ensure equipment adequate to activities carried out, with quality demands, cleaning and maintenance.

Hygiene at work: Apply general hygiene at work rules. After work, remove contaminated clothes and wash thoroughly the whole body. Wash your hands and face during breaks. Restrain from drinking and eating or smoking at work

Environmental exposure controls

Avoid release to the environment, do not enter the sewage system. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

9 SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Colorles



SAFETY DATA SHEET

Brush Cleaner

Revision: 15.05.2021

VERSION : 2.0/EN

in accordance the Commission Regulation (EU) No **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)

Odour:	Characteristic
Melting point/freezing point:	-84°C (ethyl acetate)
Boiling point or initial boiling point and boiling range:	77°C (ethyl acetate)
Flammability:	not available
Lower and upper explosion limit:	not available
Flash point:	20°C
Auto-ignition temperature:	not available
Decomposition temperature:	Not applicable
pH:	not available
Kinematic viscosity:	not available
Solubility:	Poor solubility
Partition coefficient n-octanol/water (log value):	not available
Vapour pressure:	100 hPa (ethyl acetate)
Density and/or relative density:	not available
Relative vapour density:	not available
Particle characteristics:	not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Information unavailable

9.2.2 Other safety characteristics

Refraction index: Non applicable

10 SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity under recommended storage and handling conditions.

10.2 Chemical stability

The product is stable under normal conditions of handling and storage

10.3 Possibility of hazardous reactions

Dangerous reactions are not known.

10.4 Conditions to avoid

Avoid heat sources, heat, open flames, direct sunlight, UV, electrostatic discharge.

10.5 Incompatible materials

Strong oxidants, acids, amines.

10.6 Hazardous decomposition products

Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds. Reference to other sections: 5.2.

11 SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute toxicity of components

propan-2-ol

LD50 (oral, rat) 5840 mg / kg

LD50 (skin, rabbit) 13000 mg / kg

LC50 (inhalation, rat) 16,000 ppm (8h)

ethyl acetate



SAFETY DATA SHEET

Brush Cleaner

Revision: 15.05.2021

VERSION : 2.0/EN

in accordance the Commission Regulation (EU) No **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)

LD50 (oral, rat) 11,300 mg / kg

LC50 (inhalation, rat) 1600 ppm (8h)

Skin corrosion/irritation

Based on available information, classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation

Respiratory or skin sensitisation

Based on available information, classification criteria are not met.

Germ cell mutagenicity

Based on available information, classification criteria are not met.

Carcinogenicity

Based on available information, classification criteria are not met.

Reproductive toxicity

Based on available information, classification criteria are not met.

Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

Based on available information, classification criteria are not met.

Aspiration hazard

Based on available information, classification criteria are not met.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eye contact: Redness, tearing, mild irritation

Inhalation: Possible irritation of the mucous membranes of respiratory system, cough, drowsiness and dizziness, headaches

Skin contact: Repeated exposure may cause skin dryness or cracking

Ingestion: Abdominal pain, nausea, vomiting,

11.2 Endocrine disrupting properties

The components of the mixture do not affect the functioning of the hormonal system in accordance with the evaluation criteria defined in the Regulations: (EC) No 1907/2006, (EU) 2017/2100, (EU) 2018/605

11.3 Other information

Not applicable to substances

12 SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use

Do not leave the product, even diluted or in great quantity, penetrate the ground water, water or the drains.

In order to minimise long term global pollution consideration should be given to:

- Reduction in consumption of disposable products and packaging.
- Participation in recycling activities

12.2 Persistence and degradability

Ethyl acetate: 93.9% biodegradable within 28 d (OECD 301B).

Butyl acetate: 83% biodegradable within 28 d.

Propan-2-ol: biodegradable > 70% within 10 d

12.3 Bioaccumulative potential

For mixtures not specified

in accordance the Commission Regulation (EU) No **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)

Ethyl acetate: log Po / 0.68
Butyl octane: log Po / 2.3
Propan-2-ol: log Po / 0.05
Butan-2-on: log Po / 0.3
Ethanol: log Po / -0.35

12.4 Mobility in soil

Product is mobile in water and soil.

The mobility of the substance depends on their hydrophilic and hydrophobic properties and abiotic and biotic conditions of soil, including its structures, climatic conditions, seasons (in Poland, in a variable moderate climate) and soil organisms, mainly (bacteria, fungi, algae, invertebrates).

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Endocrine disrupting properties

The product shall not contain ingredients included on the list established in accordance with Article 59(1) as having endocrine disrupting properties or ingredients with endocrine disrupting properties according to the criteria laid down in Regulation 2017/2100/EU or Regulation 2018/605/EU in concentrations equal to or greater than 0.1%.

12.7 Other adverse effects

The mixture is not classified as hazardous to the ozone layer. There should be considered the possibility of other harmful effects of the individual components of the mixture on the environment. (eg. the ability of disrupting endocrine, the impact of global warming potential).

13 SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Make sure containers are empty before discarding (explosion risk). Do not puncture or incinerate even when empty. This material and its container must be disposed of in a safe way. Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

waste codes

07 06 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

07 06 99 wastes not otherwise specified

14 SECTION 14: TRANSPORT INFORMATION

This product is packed in accordance with the Limited Quantity Provisions ADR and IMDG.



14.1 UN number or ID number

UN 1993

14.2 UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (ethyl acetate, butyl acetate)

14.3 Transport hazard class (es)

3

Classification Code: F1



in accordance the Commission Regulation (EU) No **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)

14.4 Packing group

II

14.5 Environmental hazards

Mixture is not hazardous for the environment according to the criteria of transport regulations.

14.6 Special precautions for user

ADR Regulated

Tunnel restriction code: (D/E)

Transport category: 2 – limited 333 kg

Limited Quantity: 1 L

14.7 Maritime transport in bulk according to IMO instruments

Inapplicable

15 SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Other legislation:

1. **1907/2006/EC** Regulation on 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
2. **1272/2008/EC** of the Regulation of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures - amending and repealing Directive 67/548/EEC and 1999/45/EC, and Regulation (EC) No 1907/2006.
3. **2018/669/UE** Commission Regulation (EU) 2018/669 of 16 April 2018 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures Text with EEA relevance.
4. **790/2009/EC** of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
5. **2008/98/EC** Directive of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives
6. **94/62/EC** Commission Directive 2013/2/EU of 7 February 2013; amending Annex I to Directive 94/62/EC of the European Parliament and of the Council on packaging and packaging waste
7. **2015/830/EU** Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
8. **2013/10/EU** Commission Directive of 19 March 2013 amending Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures Text with EEA relevance

15.2 Chemical safety assessment

The supplier has not assessed chemical safety It is not required for the mixture.

16 SECTION 16: OTHER INFORMATION

Other sources of information:



SAFETY DATA SHEET

Brush Cleaner

Revision: 15.05.2021

VERSION : 2.0/EN

in accordance the Commission Regulation (EU) No **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)

IUCLID Data Bank (European Commission – European Chemicals Bureau).

ESIS – European Chemical Substances Information System (European Chemicals Bureau).

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EC) N° 2015/830)

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks. Non-applicable

The information above is based on the currently available data concerning the product and the experience and knowledge in this field of the producer.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. **Grupa Beautica Sylwia Pfajfer** shall not be held liable for any damage resulting from handling or from contact with the above product

A person making a card::	mgr Małgorzata Krenke	
	„Feed Reach Consulting”	

H (hazard) phrases specified in point 2 and 3 hereof:

H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking
H226	Flammable liquid and vapour

Explanation of returns

CEN	European Committee for Standardisation
C&L	Classification and Labelling
CLP	Classification Labelling Packaging Regulation ; Regulation (EC) No 1272/2008
CAS	Chemical Abstracts Service number
COM	European Commission
CMR	Carcinogen, Mutagen, or Reproductive Toxicant
CSA	Chemical Safety Assessment
CSR C	Chemical Safety Report
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
DPD	Dangerous Preparation Directive 1999/45/EEC
DSD	Dangerous Substances Directive 67/548/EEC
EC	European Commission
EC ₅₀	Half maximal effective concentration
ECB	European Chemicals Bureau Europejskie
ECHA	European Chemicals Agency
EC	Number EINECS and ELINCS Number (see also EINECS and ELINCS)
EINECS	European Inventory of Existing Commercial Substances



SAFETY DATA SHEET

Brush Cleaner

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VERSION : 2.0/EN

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ELINCS	European List of notified Chemical Substances
EN	European Standard
EU	European Union
GHS	Globally Harmonized System
IC ₅₀	Half maximal inhibitory concentration
IUCLID	International Uniform Chemical Information Database
IUPAC	International Union for Pure Applied Chemistry
LC ₅₀	Lethal concentration, 50 %
LD ₅₀	Median Lethal Dose
MSDS	Material Safety Data Sheet
PBT	Persistent, Bioaccumulative and Toxic substance
PEC	PEC Predicted Effect Concentration
PNEC(s)	Predicted No Effect Concentration(s)
PPE	Personal Protection Equipment
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet
SIEF	Substance Information Exchange Forum
STOT	Specific Target Organ Toxicity
(STOT) RE	Repeated Exposure
(STOT) SE	Single Exposure
SVHC	Substances of Very High Concern
vPvB	Very Persistent and Very Bioaccumulative

Training

Prior to working with the product you should be familiar with safety rules for handling the chemicals, in particular take proper workplace training.

People associated with the transport of hazardous materials in accordance with ADR should be adequately trained to perform their duties (general training, bench and safety).

CHANGES IN SECTIONS: 1.8,11,13,15