

according to Commission Regulation (EU) 2020/878 as amended

BrillBird Lacquers

Creation date 13th March 2024

Revision date Version 1.0

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

1.1. Product identifier BrillBird Lacquers

Substance / mixture mixture

Number C02/C12/C14/C15/C16/C22/C25/C51/F1/CE01-05

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

Mixture's intended use

For professional use only

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Name or trade name Brillbird Europe Kft.

Address Ó utca 46.sz, Budapest, 1066

Hungary

Phone +36 30/506-8820
E-mail brbirdeurope@gmail.com
Web address http://www.brillbird.hu/

Competent person responsible for the safety data sheet

Name Brillbird Europe Kft.
E-mail brbirdeurope@gmail.com

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Most serious adverse physico-chemical effects

Highly flammable liquid and vapour.

Most serious adverse effects on human health and the environment

May cause drowsiness or dizziness. Causes serious eye irritation.

2.2. Label elements

Hazard pictogram





Signal word

Danger

Hazardous substances

ethyl acetate n-butyl acetate **Hazard statements**

H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P261 Avoid breathing mist/vapours/spray.



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P280 Wear eye protection.

P312 Call a POISON CENTER if you feel unwell.

P370+P378 In case of fire: Use powder extinguisher/sand/carbon dioxide to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 607-022-00-5 CAS: 141-78-6 EC: 205-500-4	ethyl acetate	30-34	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	1
Index: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1	n-butyl acetate	30-33	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	1
CAS: 9004-70-0 EC: 618-392-2	cellulose nitrate	8-14	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
Index: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 Registration number: 05-2114285306-46-0000	propan-2-ol	3-6	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	

Notes

1 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists. Rinse skin with water or shower.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

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If swallowed

Rinse out the mouth with water and provide 2-5 dL of water. Provide medical treatment if the person has any health problems.

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

If inhaled

May cause drowsiness or dizziness.

If on skin

Not expected.

If in eyes

Causes serious eye irritation.

If swallowed

Irritation, nausea.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Highly flammable liquid and vapour. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.



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SECTION 7: Handling and storage

Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes. No smoking. Wash hands and exposed parts of the body thoroughly after handling. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take action to prevent static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight. Store locked up. Keep container tightly closed. Keep cool.

The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

Control parameters

The mixture contains substances for which occupational exposure limits are set.

European Union

Commission Directive (EU) 2017/164

Substance name (component)		Туре	Value
		OEL 8 hours	734 mg/m ³
othyl postate (CAS, 141 79 6)		OEL 8 hours	200 ppm
ethyl acetate (CAS: 141-78-6)		OEL 15 minutes	1468 mg/m ³
		OEL 15 minutes	400 ppm

European Union

Commission Directive (EU) 2019/1831

		• • •
Substance name (component)	Туре	Value
	OEL 8 hours	241 mg/m ³
n butul acetate (CAS) 122 96 4)	OEL 8 hours	50 ppm
n-butyl acetate (CAS: 123-86-4)	OEL 15 minutes	723 mg/m ³
	OEL 15 minutes	150 ppm

DNEL

ethyl acetate					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	1.468 mg/m ³	Acute effects local		
Workers	Inhalation	1.468 mg/m³	Acute effects systemic		
Workers	Inhalation	734 mg/m ³	Chronic effects local		
Workers	Dermal	63 mg/kg	Chronic effects systemic		
Workers	Inhalation	734 mg/m ³	Chronic effects systemic		



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n-butyl acetate					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	11 mg/kg/24h	Chronic effects systemic		
Workers	Inhalation	300 mg/m ³	Chronic effects systemic		
Consumers	Oral	2 mg/kg/24h	Chronic effects systemic		*
Consumers	Dermal	6 mg/m³/24h	Chronic effects systemic		
Consumers	Inhalation	35.7 mg/m ³	Chronic effects systemic		
Workers	Inhalation	600 mg/m ³	Acute effects local		
Workers	Inhalation	600 mg/m ³	Acute effects systemic		
Workers	Inhalation	300 mg/m ³	Chronic effects local		
Consumers	Inhalation	35.7 mg/m ³	Chronic effects local		
Consumers	Inhalation	300 mg/m ³	Acute effects local		
Consumers	Inhalation	300 mg/m ³	Acute effects systemic		
Workers	Dermal	11 mg/m³/24h	Acute effects systemic		
Consumers	Dermal	6 mg/m³/24h	Acute effects systemic		
Consumers	Oral	2 mg/m³/24h	Acute effects systemic		

PNEC

ethyl acetate				
Route of exposure	Value	Value determination	Source	
Freshwater environment	0.24 mg/l	J		
Marine water	0.024 mg/l			
Microorganisms in sewage treatment	650 mg/l			
Freshwater sediment	1.15 mg/kg			
Sea sediments	0.115 mg/kg			
Soil (agricultural)	0.148 mg/kg			
Drinking water	1.65 mg/l			

n-butyl acetate				
Route of exposure	Value	Value determination	Source	
Freshwater environment	0.18 mg/l			
Soil (agricultural)	0.0903 mg/kg			
Water (intermittent release)	0.36 mg/l			
Microorganisms in sewage treatment	35.6 mg/l			
Marine water	0.018 mg/l			
Freshwater sediment	0.981 mg/kg			
Sea sediments	0.0981 mg/kg			

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8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles.

Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state liquid Colour data not available Odour characteristic Melting point/freezing point data not available Boiling point or initial boiling point and boiling range data not available Flammability data not available Lower and upper explosion limit data not available <21 °C Flash point

Auto-ignition temperature data not available Decomposition temperature data not available data not available рΗ Kinematic viscosity data not available data not available Solubility in water Partition coefficient n-octanol/water (log value) data not available Vapour pressure data not available Density and/or relative density data not available Relative vapour density data not available Particle characteristics data not available data not available cellulose nitrate (CAS: 9004-70-0) liquid

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

When used in the standard way, there is not any dangerous reaction with other substances.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

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10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Skin corrosion/irritation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Serious eye damage/irritation

Causes serious eye irritation. Data for the components of the mixture are not available.

Respiratory or skin sensitisation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Germ cell mutagenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Carcinogenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Reproductive toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - single exposure

May cause drowsiness or dizziness. Data for the components of the mixture are not available.

Toxicity for specific target organ - repeated exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

11.2. Information on other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

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SECTION 12: Ecological information

12.1. Toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

12.2. Persistence and degradability

No data are available for either the mixture or the components.

12.3. Bioaccumulative potential

No data are available for either the mixture or the components.

12.4. Mobility in soil

No data are available for either the mixture or the components.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

08 01 11* waste paint and varnish containing organic solvents or other hazardous substances

Packaging waste type code

15 01 10* packaging containing residues of or contaminated by hazardous substances

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

UN 1263

14.2. UN proper shipping name

PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

Π

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant



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Additional information

Hazard identification No.

UN number Classification code Safety signs 33 1263

F1



Road transport - ADR

Special provisions 163, 367, 640D, 650

Limited quantities 5 L Excepted quantities E2

Packaging

Packing instructions P001, IBC02, R001

Special packing provisions PP1
Mixed packing provisions MP19

Portable tanks and bulk containers

Guidelines T4

Special provisions TP1, TP8, TP28

ADR tank

Tank code LGBF
Vehicles for tank carriage FL
Transport category 2
Tunnel restriction code (D/E)

Special provision for

operation S2, S20

Railway transport - RID

Special provisions 163, 367, 640D, 650

Excepted quantities E2

Packaging

Packing instructions P001, IBC02, R001

Special packing provisions PP1
Mixed packing provisions MP19

Portable tanks and bulk containers

Guidelines T4

Special provisions TP1, TP8, TP28

RID Tanks

Tank code LGBF Transport category 2

Air transport - ICAO/IATA

Packaging instructions for limited amount Y344
Packaging instructions passenger 355
Cargo packaging instructions 366

Marine transport - IMDG

EmS (emergency plan) F-E, S-E MFAG 310

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SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the 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. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. 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).

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H225 Highly flammable liquid and vapour.
 H226 Flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

Guidelines for safe handling used in the safety data sheet

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P261 Avoid breathing mist/vapours/spray.

P280 Wear eye protection.

P312 Call a POISON CENTER if you feel unwell.

P370+P378 In case of fire: Use powder extinguisher/sand/carbon dioxide to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool. A list of additional standard phrases used in the safety data sheet

EUH066 Repeated exposure may cause skin dryness or cracking.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR European agreement concerning the international carriage of dangerous goods by

road

BCF Bioconcentration Factor
CAS Chemical Abstracts Service

CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of

substance and mixtures

EC Identification code for each substance listed in EINECS

EINECS European Inventory of Existing Commercial Chemical Substances

EmS Emergency plan
EU European Union

EuPCS European Product Categorisation System IATA International Air Transport Association

IBC International Code For The Construction And Equipment of Ships Carrying

Dangerous Chemicals

ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods
IMO International Maritime Organization

INCI International Nomenclature of Cosmetic Ingredients
ISO International Organization for Standardization
IUPAC International Union of Pure and Applied Chemistry

log KowOctanol-water partition coefficientOELOccupational Exposure LimitsPBTPersistent, Bioaccumulative and Toxic



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ppm Parts per million

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Agreement on the transport of dangerous goods by rail

UN Four-figure identification number of the substance or article taken from the UN

Model Regulations

UVCB Substances of unknown or variable composition, complex reaction products or

biological materials

VOC Volatile organic compounds

vPvB Very Persistent and very Bioaccumulative

Eye Irrit. Eye irritation Flam. Liq. Flammable liquid

STOT SE Specific target organ toxicity - single exposure

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application. Note: Since the product is marketed as a cosmetic product, thus, it is out of scope of CLP regulation 1272/2008. However, in order to facilitate the chemical risk assessment of work places for professional users, the classification and labelling elements in accordance with CLP are included but only referential.

The product is labelled in accordance with 1223/2009/EEC. The product is intended only for professional use.

This MSDS is based on data of the original safety data sheet provided by the manufacturer, using the up-to-date version of regulation 1907/2006. 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, therefore it cannot be used to verify quality compliance. BrillBird Europe Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.