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[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

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

1.1. Product identifier

Trade name: **PRIMER BEZKWASOWY**

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

Relevant identified uses:

Industrial use: cosmetic mass.

Professional use: nail styling product.

Uses advised against: not determined.

1.3. Details of the supplier of the safety data sheet

Supplier: **Makear s.c.**

Address: ul. K.Kolumba 9B, 51-503 Wrocław, Poland

Telephone number: +48 730 000 661

E-mail address for a competent person responsible for sds: bok@makear.pl

1.4. Emergency telephone number

112 (Europe's emergency telephone number). Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department. Please check any national emergency information services in your country.

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Liq. 2 H225, **Skin Irrit. 2** H315, **Skin Sens. 1** H317, **Eye Irrit. 2** H319, **STOT SE 3** H336

Highly flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness.

2.2. Label elements*

Hazard pictograms and signal words



DANGER

Substances which influenced product classification

Contains: ethyl acetate; hydroxyethyl methacrylate.

Hazard statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
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.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

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P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container to properly labeled waste containers in accordance with national regulations.

Additional labelling elements

32 percent of the mixture consists of component(s) of unknown oral toxicity.

99.8 percent of the mixture consists of component(s) of unknown dermal toxicity.

99.8 percent of the mixture consists of component(s) of unknown inhalation toxicity.

Contains 32 % of components with unknown hazards to the aquatic environment.

* Cosmetic products packaged for the end user do not have to be labelled in accordance with 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. The unit package labelling of the cosmetic product should contain information in accordance with Art. 19 of the Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products, as amended.

2.3. Other hazards

The substances contained in the product do not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation. The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

Section 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

CAS number: 141-78-6 EC number: 205-500-4 Index number: 607-022-00-5 Registration number: -	ethyl acetate[1), 2)] Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066*	75-100 %
CAS number: 868-77-9 EC number: 212-782-2 Index number: 607-124-00-X Registration number: -	2-hydroxyethyl methacrylate Skin Irrit. 2 H315, Skin Sens. 1 H317, Eye Irrit. 2 H319	5-10 %
CAS number: 123-31-9 EC number: 204-617-8 Index number: 604-005-00-4 Registration number: -	hydroquinone[1), 2)] Acute Tox. 4 H302, Skin Irrit. 2 H315, Skin Sens. 1 H317, Eye Dam. 1 H318, Muta. 2 H341, Carc. 2 H351, Aquatic Acute 1 H400 (M=10), Aquatic Chronic 1 H410 (M=10)	< 0.02 %

1) Substance with a specific value at the European Union level of the permissible concentration in the work environment.

2) Substance with occupational exposure limits defined on the Great Britain level.

*Supplemental hazard statement code.

Full text of each relevant H phrase is given in section 16 of SDS.

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: take off contaminated clothes and wash it before next use. Wash contaminated skin thoroughly with water. Continue rinsing for about 10 minutes. Seek medical advice if disturbing symptoms appear.

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Eye contact: remove contact lenses. Rinse contaminated eyes thoroughly with water with eyelids wide open, for at least 10 minutes. Avoid strong stream of water – risk of damage of the cornea. Consult an ophthalmologist, if disturbing symptoms appear.

Ingestion: do not induce vomiting unless advised otherwise by medical personnel. Rinse mouth with water. If vomiting occurs spontaneously, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Consult a doctor, show the label or safety data sheet. If the victim is unconscious, place in recovery position. Loosen tight clothing. Get medical attention immediately. Control and maintain airway patency. If breathing has stopped, administer artificial respiration. Mouth-to-mouth resuscitation can be dangerous to the provider (risk of poisoning).

Inhalation: remove the victim to fresh air, keep warm and calm. Immediately consult a doctor. If the victim is unconscious, place in recovery position. Loosen tight clothing. Control and maintain airway patency. If breathing stops, give artificial respiration. Mouth-to-mouth resuscitation can be dangerous to the provider (risk of poisoning).

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

Skin contact: possible redness, burning, drying, irritation, allergic reaction.

Eye contact: redness, tearing, irritation.

Ingestion: abdominal pain, vomiting, nausea, diarrhea.

Inhalation: high concentration of vapours and mists may cause irritation of the mucous membranes of the eyes and respiratory tract, tearing, redness of the conjunctiva, cough, burning sensation in the throat and nose, feeling sleepy, dizziness.

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

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Symptomatic treatment.

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: carbon dioxide (CO_2), dry chemical, foam, water fog.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

5.2. Special hazards arising from the substance or mixture

During combustion harmful fumes consisting of carbon oxides and other unidentified products of thermal decomposition may be produced. Do not inhale combustion products, it may cause health risk.

5.3. Advice for firefighters

Highly flammable liquid and vapour. Vapours of the product may form explosive mixtures with air. Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. Sealed containers/tanks exposed to fire or high temperature may explode due to the pressure increase inside them. In case of fire, cool endangered containers with water spray from a safe distance. Collect used extinguishing media. Do not allow residues of extinguishing agents to enter surface waters, sewage systems, sewage and soil.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. In case of large spills, isolate the exposed area. Ensure that the consequences of failure remove only trained personnel. Use personal protective equipment. Avoid contamination of eyes, skin and clothing. Do not breathe vapours. Ensure adequate ventilation. Remove all sources of ignition, put down a naked flame, do not smoke. Take precautionary measures to prevent electrostatic discharges. There is a danger of explosion on the contaminated area. Product's vapours may travel considerable distance along the floor/ground to sources of ignition and may flash back.

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6.2. Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

6.3. Methods and material for containment and cleaning up

Large leakage: if possible and safe, eliminate or reduce the leakage (seal, close the flow of liquid, put the damaged packaging in an emergency container). Reduce the spread of the spill by isolating the area; pump the collected liquid out of contaminated area.

Small leakage: covered with non-combustible, liquid-absorbing materials (e.g. sand, earth, vermiculite and diatomaceous earth) and place in labeled containers. Treat the collected material as waste. Clean and ventilate the contaminated area. Do not use sparking tools. Contaminated absorbent material can present the same hazard as spilled product.

6.4. Reference to other sections

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

Section 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Do not eat, drink and smoke in the working area. Before break and after work wash hands carefully. Do not breathe vapours. Avoid contamination of skin, eyes and clothing. Unused containers keep tightly closed. Take precautionary measures to prevent electrostatic discharges. Prevent the formation of flammable/explosive concentrations of vapours in the air; eliminate sources of ignition - do not use naked flame, do not smoke, do not use sparking tools and clothing made of materials that electrify easily; protect the containers from heating, install only explosion-proof equipment, use bridging and grounding. Work only in well-ventilated areas. Emptied, unwashed containers may contain product's residues (liquid, vapour) and may pose a risk of fire/explosion. Take precautionary measures. Do not cut, drill, grind, weld the unwashed packaging/ containers and do not perform those activities in their vicinity.

7.2. Conditions for safe storage, including any incompatibilities

Keep in tightly closed, original containers in a cool, dry and well-ventilated area adapted for storing highly flammable liquids, equipped in an explosion-proof ventilation and electrical system. Do not store in unmarked packages. Resealed containers stored upright to prevent leaking. Do not smoke, use naked flame and sparking tools in the storage area. Take precautionary measures to prevent electrostatic discharges. Keep away from food, beverages or feed for animals. Keep away from incompatible materials (see subsection 10.5). Recommended temperature of storage: 13-27 °C. Protect from sunlight.

7.3. Specific end use(s)

No information about other uses than those mentioned in subsection 1.2.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Specification	TWA 8 hour	STEL 15 min
European Union*		
ethyl acetate [CAS 141-78-6]	734 mg/m^3	1468 mg/m^3
Great Britain**		
ethyl acetate [CAS 141-78-6]	734 mg/m^3	1468 mg/m^3
hydroquinone [CAS 123-31-9]	0.5 mg/m^3	—

Legal Basis:

*Commission Directive 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, 2019/1831/EU.

**EH40/2005 Workplace exposure limits Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations 2002 (as amended) - Fourth Edition 2020.

The table above shows the maximum workplace concentration values at the European Union level and in the Great Britain. Please check any national occupational exposure limit values in your country.

Recommended control procedures

Procedures Concerning the control over the dangerous components concentrations in the air and control over the air quality in the workplace - if they are available and Justified for the position - in Accordance with the European Standards, with the conditions within the exposure place and a proper test methodology adapted to the working conditions.

8.2. Exposure controls

Appropriate engineering controls

Use the product in accordance with good occupational hygiene and safety practices. Provide effective local and/or general ventilation. Do not eat, drink and smoke during the work. Before break and after work wash hands carefully. Avoid contamination of skin, eyes and clothing. Do not inhale vapours of the product. If there is a risk of fire on the employee's clothing during the work processes, safety showers and eye washers should be installed near the workstations.

Individual protection measures, such as personal protective equipment

The necessity to use and selection of appropriate personal protective equipment should take into account the type of risk posed by the product, working conditions and the way of handling the product. The personal protective equipment used must meet the requirements of Regulation (EU) 2016/425 and the relevant standards. The employer is obliged to provide protection measures appropriate to the activities performed and meeting all quality requirements, including their maintenance and cleaning. Any contaminated or damaged PPE must be replaced immediately.

Hand protection

Use protective gloves compliant with EN 374. In case of short-term exposure wear the protective gloves with protection level 2 or greater (breakthrough time > 30 min). In case of long-term exposure wear the protective gloves with protection level 6 (breakthrough time > 480 min). Material for gloves should be chosen individually at the workplace.

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.

Skin protection

Wear protective clothing at all times when handling the products when a risk assessment indicates it is necessary. Depending on the performer task, protective clothing appropriate to the potential risk should be worn. Wash contaminated clothing before next use. Do not wear contaminated protective clothing outside the workplace.

Eye protection

Safety eyewear according to EN 166 should be used when a risk assessment indicates it is necessary to avoid exposure of splash, mist or vapour.

Respiratory protection

Use a properly fitted respirator with an air absorber complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection should be based on the known or expected exposure level, product hazards, and the safety limits of the mask selected.

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Thermal hazards

Thermal hazards under normal operating conditions are not to be expected.

Environmental exposure controls

Do not allow the mixture to contaminate ground water, sewage systems, sewage and soil. Possible emissions from the ventilation systems and processing equipment should be controlled in order to determinate their compatibility with environmental protection regulations.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colorless
Odour:	characteristic, ester
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	77.1 °C
Flammability:	highly flammable liquid and vapour
Lower and upper explosion limit:	0.04 % vol./-
Flash point:	< -3.3 °C (closed cup method)
Auto-ignition temperature:	750-900 °C
Decomposition temperature:	not determined
pH:	not determined
Kinematic viscosity:	not determined
Solubility:	insoluble in water
Partition coefficient n-octanol/water (log value):	not determine
Vapour pressure:	not determined
Density and/or relative density:	0.94
Relative vapour density:	1 (air=1)
Particle characteristics:	not applicable, liquid

9.2. Other information

Dynamic viscosity:	15 mPa·s (room temperature)

Section 10: Stability and reactivity

10.1. Reactivity

The product is reactive. Hazardous polymerization may occur as a result of contact initiators of the polymerization reaction. See also subsections 10.3-10.5.

10.2. Chemical stability

The product is stable under normal conditions of storage and use.

10.3. Possibility of hazardous reactions

Hazardous reactions are not known.

10.4. Conditions to avoid

Avoid sources of ignition, naked flame, excessive heating, electrostatic discharge. Do not cut, weld, grind, drill or solder in the immediate vicinity of the product.

10.5. Incompatible materials

Strong oxidants, radical initiators, rust, strong bases, peroxides.

10.6. Hazardous decomposition products

Not known.

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Section 11: Toxicological information

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

Information regarding acute and/or delayed results of the exposure was defined on the basis of the information on product's classification and/or toxicological studies as well as the experience and knowledge of the manufacturer.

Toxicity of components

ethyl acetate [CAS 141-78-6]

LD_{50} (oral, rat) 5 620 mg/kg (supplier's data)

LD_{50} (skin, rabbit) > 10 000 mg/kg (ECHA data)

2-hydroxyethyl methacrylate [CAS 868-77-9

LD_{50} (oral, rat) 5 564 mg/kg (ECHA data)

Toxicity of mixture

Acute toxicity

ATE_{mix} (oral) > 2 000 mg/kg

Based on available data, the classification criteria are not met. The acute toxicity estimate (ATE_{mix}) for the classification of a substance in a mixture was determined using the appropriate conversion value from Table 3.1.2 that relates to a classification category (Annex I to CLP as amended).

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Information on likely routes of exposure

Routes of exposure: skin contact, eye contact, inhalation, ingestion. For more information on the impact of each possible route of exposure, see subsection 4.2.

Symptoms related to the physical, chemical and toxicological characteristics

See subsection 4.2 of the safety data sheet.

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

See subsection 4.2 of the safety data sheet. Repeated exposure may cause skin dryness or cracking.

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11.2. Information on other hazards

Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

Other information

No other hazards are known.

Section 12: Ecological information

12.1. Toxicity

Toxicity of components

ethyl acetate [CAS 141-78-6]

Toxicity for fish (fresh water)	LC_{50}	212500 µg/l/96 h (*Heteropneustes fossilis*)
Toxicity for daphnia (fresh water)	LC_{50}	154000 µg/l/48 h (*Daphnia cucullata*)
Toxicity for crustacean (fresh water)	LC_{50}	750000 µg/l/48 h (*Gammarus pulex*)
Toxicity for algae (fresh water)	EC_{50}	2500000 µg/l/96 h (*Selenastrum sp.*)
Toxicity for crustacean (fresh water)	NOEC	2400 µg/l/21 days (*Daphnia magna*)
Toxicity for fish (fresh water)	NOEC	75.6 mg/l/32 days (*Pimephales promelas*)

Toxicity of mixture

Product is not classified as hazardous for the environment.

32 % of components with unknown hazards to the aquatic environment.

12.2. Persistence and degradability

Data for the mixture are not available. Data for some components:

ethyl acetate [CAS 141-78-6]

Biodegradation: readily biodegradable [ECHA data]

2-hydroxyethyl methacrylate [CAS 868-77-9

Biodegradation: readily biodegradable [ECHA data]

12.3. Bioaccumulative potential

Do not expect to significant bioaccumulation. Data for some components:

ethyl acetate [CAS 141-78-6]

$\log P_{o/w}$ 0.68 BCF 30

2-hydroxyethyl methacrylate [CAS 868-77-9

$\log P_{o/w}$ 0.42 BCF -

12.4. Mobility in soil

Product is mobile in soil and aquatic environment. Mobility of components of the mixture in soil depends on the hydrophilic and hydrophobic properties and biotic and abiotic conditions of soil, including its structure, climatic conditions, seasons and soil organisms.

12.5. Results of PBT and vPvB assessment

The substances contained in the product do not meet criteria for PBT or vPvB.

12.6. Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

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12.7. Other adverse effects

The mixture is not classified as hazardous to the ozone layer. Consider other harmful effects of individual components of the mixture on the environment (eg, global warming potential).

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods for the mixture: avoid creating waste. Disposal of the product, product's solutions or by-products should in all cases comply with environmental protection and waste disposal legislation, as well as with the requirements of local authorities. The product meets the criteria of a hazardous waste. Dispose of the product in a licensed waste disposal facility. Do not empty into drains. Avoid contamination of surface and ground waters. Do not dispose of at municipal landfills. The waste code should be given in the place of waste formation.

Disposal methods for used packing: empty containers should be reused/recycled/eliminated in accordance with the local legislation. The packaging contaminated with the product should be treated as the product itself. Be careful when handling emptied containers that have not been cleaned.

Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.

Section 14: Transport information

14.1. UN number or ID number

UN 1993

14.2. UN proper shipping name

ADR/RID

FLAMMABLE LIQUID, N.O.S. (ETHYL ACETATE)

IMDG/IATA

FLAMMABLE LIQUID, N.O.S. (ETHYL ACETATE)

14.3. Transport hazard class(es)

3

14.4. Packing group

II

14.5. Environmental hazards

Product is not classified as dangerous according to transport regulations.

14.6. Special precautions for user

Keep away sources of ignition. Use personal protection measures in accordance with section 8.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Other informations

limited quantities LQ:	1 L
special provision:	274, 601, 640C
hazard identification number:	33
transport category:	2
tunnel restriction code:	D/E

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Section 15: Regulatory information

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

Regulation No 1907/2006/EC of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization 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.

Regulation No 1272/2008/EC 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.

Commission Regulation No 2020/878/EU 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).

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.

Regulation 2016/425/EU of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

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.

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.

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.

Commission Directive 2017/164/EU 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.

Commission Directive 2019/1831/EU 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.

The Agreement concerning the International Carriage of Dangerous Goods by Road (**ADR**).

IMDG Code International Maritime Dangerous Goods Code.

IATA Dangerous Goods Regulations.

15.2. Chemical safety assessment

A Chemical Safety Assessment is not required for mixtures in accordance with REACH Regulation.

Section 16: Other information

Full text of indicated H phrases mentioned in section 3

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Clarification of aberrations and acronyms

PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance

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EC_{50}	Half maximal effective concentration
LC_{50}	Median lethal concentration
LD_{50}	Median lethal dose
NOEC	No observed effects concentration
BCF	Bioconcentration factor
TWA	Time Weighted Average
STEL	Short-term exposure limit
ECHA	The European Chemicals Agency
Acute Tox. 4	Acute toxicity category 4
Aquatic Acute 1	Acute hazardous to the aquatic environment category 1
Aquatic Chronic 1	Chronic hazardous to the aquatic environment category 1
Carc. 2	Carcinogenicity category 2
Eye Irrit. 2	Eye irritation category 2
Flam. Liq. 2	Flammable liquid category 2
Muta. 2	Germ cell mutagenicity category 2
Skin Irrit. 2	Skin irritation category 2
Skin Sens. 1	Skin sensitization category 1
STOT SE 3	Specific target organ toxicity - single exposure category 3

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training. Personnel related with the transport of hazardous substances in accordance with the ADR agreement should be trained and should obtain proper certification in a range of their obligations (general training, workplace training, safety training).

Procedures used for the mixture classification according with Regulation 1272/2008/EC (CLP) as amended

Flam. Liq. 2 H225	based on research
Skin Irrit. 2 H315	calculation method
Skin Sens. 1 H317	calculation method
Eye Irrit. 2 H319	calculation method
STOT SE 3 H336	calculation method

Key literature references and sources of data

This SDS was prepared on the basis of safety data sheet provided by manufacturer, additional manufacturer's data, literature data, online databases as well as our knowledge and experience, taking into account current legislation.

Additional information

Date of issue:	07.07.2022
Version:	1.0/EN (on the basis of producer's data).

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.