SAFETY DATA SHEET

[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 KWASOWY**

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

Acute Tox. 4 H302, **Acute Tox. 3** H311, **Skin Corr. 1A** H314, **Eye Dam. 1** H318, **Skin Sens. 1** H317, **Acute Tox. 3** H331, **STOT SE 3** H335, **Aquatic Acute** 1 H400, **Aquatic Chronic 1** H410

Harmful if swallowed. Toxic in contact with skin. Causes severe skin burns and eye damage. Causes serious eye damage. May cause an allergic skin reaction. Toxic if inhaled. May cause respiratory irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

2.2. Label elements*

Hazard pictograms and signal words



DANGER

Substances which influenced product classification

Contains: methacrylic acid; isobutyl methacrylate.

Hazard statements

H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statements

P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

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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.
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.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/container to properly labeled waste containers in accordance with national regulations.

Additional labelling elements

3.3 percent of the mixture consists of component(s) of unknown acute toxicity

* 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: 79-41-4 EC number: 201-204-4 Index number: 607-088-00-5 Registration number: -	methacrylic acid[1)] Acute Tox. 4 H302, Acute Tox. 3 H311, Skin Corr. 1A H314, Eye Dam. 1 H318, Acute Tox. 3 H331, STOT SE 3 H335, Aquatic Acute 1 H400 (M=1), Aquatic Chronic 1 H410 (M=1) Specific concentration limits: STOT SE 3 H335: C ≥ 1 %	75-100 %
CAS number: 97-86-9 EC number: 202-613-0 Index number: 607-113-00-X Registration number: -	isobutyl methacrylate Flam. Liq. 3 H226, Skin Irrit. 2 H315, Skin Sens. 1B H317, Eye Irrit. 2 H319, STOT SE 3 H335, Aquatic Acute 1 H400 (M=1)	1-5 %
CAS number: 123-31-9 EC number: 204-617-8 Index number: 604-005-00-4 Registration number: -	hydroquinone[1)] Acute Tox. 4 H302, Skin Sens. 1 H317, Eye Dam. 1 H318, Muta. 2 H341, Carc. 2 H351, Aquatic Acute 1 H400 (M=10)	< 0.02 %

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

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: rinse the exposed skin areas thoroughly with water. Take off contaminated clothes and wash it before next use. Continue rinsing for about 10 minutes. Put a sterile dressing. Consult a doctor immediately.

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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. Put sterile dressing. Immediately consult an ophthalmologist.

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 irritation, redness, burning sensation, burns, necrosis. Possible allergic reaction. The product can be absorbed through the skin. Toxic in contact with skin.

Eye contact: redness, tearing, pain, serious eye damage.

Ingestion: abdominal pain, vomiting, nausea, diarrhea. Risk of perforation in the esophagus and stomach. The product is harmful if swallowed.

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. The product is toxic after inhalation.

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. Treat symptomatically. If necessary, use gastric lavage.

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: adapt the extinguishing media to surrounding materials.

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, nitrogen 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

Product is non-flammable. 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. 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. Provide adequate ventilation in the room where the product is used.

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.

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6.3. Methods and material for containment and cleaning up

Large leakage: if possible and safe, eliminate or reduce the leakage. Embank the places where the liquid has accumulated, pump it out. Dispose of in accordance with applicable regulations.

Small leakage: covered with liquid-absorbing materials (e.g. sand, earth, vermiculite or diatomaceous earth) and place in labeled containers. Treat the collected material as waste. Clean and ventilate the contaminated area. 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. Work only in well-ventilated areas. Use personal protective equipment. The product contains a strong allergen. Sensitized individuals should not be involved in any processes where this raw material is used.

7.2. Conditions for safe storage, including any incompatibilities

Keep in tightly closed, original containers in a cool, dry and well-ventilated area. Resealed containers stored upright to prevent leaking. Keep away from food, beverages or feed for animals. Keep away from incompatible materials (see subsection 10.5). Protect from sunlight. Do not store in temperature above 65 °C. Do not store in unmarked packages.

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
Great Britain*		
methacrylic acid [CAS 79-41-4]	72 mg/m^3	143 mg/m^3
hydroquinone [CAS 123-31-9]	0.5 mg/m^3	—

Product does not contain any components with occupational exposure limit values at working place established in the European Union**. The table above shows the maximum workplace concentration values in the Great Britain. Please check any national occupational exposure limit values in your country.

Legal Basis:

*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.

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

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, during

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work processes, there is a risk of spraying workers with caustic agents - no more than 20 m in a horizontal line from the stations where these processes are performed, emergency showers (safety showers) for washing the whole body and separate showers for washing eyes should be installed.

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.

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:	colourless
Odour:	characteristic, pungent
Melting point/freezing point:	15.8 °C
Boiling point or initial boiling point and boiling range:	161 °C
Flammability:	non-flammable product
Lower and upper explosion limit:	not determined

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Flash point:	65 °C (closed cup method)
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH:	2.0-2.2
Kinematic viscosity:	not determined
Solubility:	soluble in water
Partition coefficient n-octanol/water (log value):	not determined
Vapour pressure:	0.13 kPa (room temperature)
Density and/or relative density:	1.03
Relative vapour density:	> 1 (air=1)
Particle characteristics:	not applicable

9.2. Other information

Dynamic viscosity:	1.4 mPa·s (room temperature)
Evaporation rate:	< 1 (butyl acetate=1)

Section 10: Stability and reactivity

10.1. Reactivity

The product is reactive. Hazardous polymerization may occur under the influence of high temperature and exposure to light. 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

In the presence of free-radical forming compounds (e.g. peroxides), reducing substances and/or heavy metal ions, heat-induced polymerization is possible. The product reacts violently or explosively with alkali metals, alkaline earth metals, various metal powders, strong alkalis and ammonia. Heat is released on contact with bases. In contact with metals hydrogen is released.

10.4. Conditions to avoid

Avoid direct sunlight and temparture >65 °C.

10.5. Incompatible materials

Strong oxidants, radical initiators, heavy metal ions, reducing substances, bases.

10.6. Hazardous decomposition products

Not known.

Section 11: Toxicological information

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

Toxicity of components

methacrylic acid [CAS 79-41-4]

LD_{50} (oral, rat)	1 060 mg/kg
LD_{50} (skin, rabbit)	500 mg/kg
LC_{50} (inhalation of vapours, rat)	7 100 mg/m^3

Toxicity of mixture

Acute toxicity

ATE_{mix} (oral)	300-2 000 mg/kg
ATE_{mix} (skin)	200-1 000 mg/kg
ATE_{mix} (inhalation of vapours)	2-10 mg/l

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Harmful if swallowed. Toxic in contact with skin. Toxic if inhaled. 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 in Annex I to CLP as amended.

Skin corrosion/irritation

Causes severe skin burns.

Serious eye damage/irritation

Causes serious eye damage.

.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 respiratory irritation.

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.

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

methacrylic acid [CAS 79-41-4]

Toxicity for fish	LC_{50}	85 mg/l/96 h
Toxicity for algae	EC_{50}	0.59 mg/l/96 h
Toxicity for crustacean (fresh water)	NOEC	53 mg/l/21 days

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Toxicity of mixture

Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Data for the mixture are not available.

Data for some components:

methacrylic acid [CAS 79-41-4]

Biodegradation: readily biodegradable [ECHA data]

12.3. Bioaccumulative potential

Do not expect to significant bioaccumulation.

Data for some components:

methacrylic acid [CAS 79-41-4]

log $P_{o/w}$ 0.93

isobutyl methacrylate [CAS 97-86-9]

log $P_{o/w}$ 2.95

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.

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 1760

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14.2. UN proper shipping name

ADR/RID

CORROSIVE LIQUID, N.O.S. (METHACRYLIC ACID, ISOBUTYL METHACRYLATE)

IMDG/IATA

CORROSIVE LIQUID, N.O.S. (METHACRYLIC ACID, ISOBUTYL METHACRYLATE)





14.3. Transport hazard class(es)

8

14.4. Packing group

II

14.5. Environmental hazards

According to transport regulations, product is hazardous to the environment.

14.6. Special precautions for user

Wear personal protective equipment in accordance with section 8 when handling loads. Keep ignition sources away.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Other informations

limited quantities LQ:	1 L
special provision:	274
hazard identification number:	80
transport category:	2
tunnel restriction code:	E

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.

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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

It is not necessary to carry out a chemical safety assessment for mixture.

Section 16: Other information

Full text of indicated H phrases mentioned in section 3

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
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.

Clarification of aberrations and acronyms

PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance
EC_{50}	Half maximal effective concentration
LC_{50}	Median lethal concentration
LD_{50}	Median lethal dose
NOEC	No observed effects concentration
TWA	Time Weighted Average
STEL	Short-term exposure limit
ECHA	The European Chemicals Agency
Acute Tox. 3, 4	Acute toxicity category 3, 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 Dam. 1	Eye damage category 1
Flam. Liq. 3	Flammable liquid category 3
Muta. 2	Germ cell mutagenicity category 2
Skin Corr. 1A	Skin corrosion category 1A
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
Eye Irrit. 2	Eye irritation category 2

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).

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

Acute Tox. 4 H302	calculation method
Acute Tox. 3 H311	calculation method
Acute Tox. 3 H331	calculation method
Skin Corr. 1A H314	calculation method
Eye Dam. 1 H318	calculation method
Skin Sens. 1 H317	calculation method
STOT SE 3 H335	calculation method
Aquatic Acute 1 H400	calculation method
Aquatic Chronic 1 H410	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.