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

#### 1.1. Product identifier

Product form : Mixture

Trade name : ANYCUBIC

Water-Wash Resin +

UFI : KAWH-E46R-7G1Q-C7UG

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

#### 1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use

Use of the substance/mixture : Resin

#### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Shenzhen Anycubic Technology Co., Ltd 12-13th floor, Building #3B, Vanke Times Square, No.85 Longcheng Avenue, Longcheng Street 518000 Longgang District, Shenzhen, Guangdong - China T 17688757950

weiwulin@anycubic.com

#### 1.4. Emergency telephone number

Emergency number : 17688757950

Only available during office hours.

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315 Eye Dam. 1 H318 Skin Sens. 1 H317 STOT SE 3 H335 Aquatic Chronic 3 H412

Full text of H- and EUH-statements: see section 16

#### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word : Danger

Contains : 1,2-Ethanediyl bisacrylate; Oxirane, 2-methyl-, polymer with oxirane, bis(2-

methyl-2-propenoate), block; 2,2'-(ethylenedioxy)diethyl diacrylate;

triethylene glycol diacrylate; 3-[2,2-dimethyl-1-oxo-3-[(1-

oxoallyl)oxy]propoxy]-2,2-dimethylpropyl acrylate; ethyl phenyl(2,4,6-

trimethylbenzoyl)phosphinate

Hazard statements (CLP) : H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage. H335 - May cause respiratory irritation.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children. P261 - Avoid breathing vapours.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves, protective clothing, eye protection, face

protection.

P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER, a doctor.

P405 - Store locked up.

P501 - Dispose of contents and container to an approved waste disposal

plant.

Child-resistant fastening : Not applicable Tactile warning : Not applicable

#### 2.3. Other hazards

Other hazards : Results of PBT and vPvB assessment : Contains no PBT/vPvB substances ≥

0.1% assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not 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 %

#### **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,2-Ethanediyl bisacrylate	(CAS-No.) 26570-48-9 (EC-No.) 607-960-5	20 – 60	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
3-[2,2-dimethyl-1-oxo-3-[(1-oxoallyl)oxy]propoxy]-2,2-dimethylpropyl acrylate	(CAS-No.) 30145-51-8 (EC-No.) 250-072-4	25 – 50	Skin Sens. 1, H317
Oxirane, 2-methyl-, polymer with oxirane, bis(2-methyl-2-propenoate), block	(CAS-No.) 122985-55-1	15 – 30	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
2,2'-(ethylenedioxy)diethyl diacrylate; triethylene glycol diacrylate	(CAS-No.) 1680-21-3 (EC-No.) 216-853-9 (EC Index) 607-126-00-0	10 – 30	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate	(CAS-No.) 84434-11-7 (EC-No.) 282-810-6	1 – 3	Skin Sens. 1B, H317 Aquatic Chronic 2, H411

Full text of H- and EUH-statements: see section 16

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

Additional advice : First aider: Pay attention to self-protection!. Concerning personal protective

equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a

physician. Show this safety data sheet to the doctor in attendance.

Inhalation : Remove casualty to fresh air and keep warm and at rest. In case of doubt or

persistent symptoms, consult always a physician.

Skin contact : Remove contaminated clothing and shoes. Gently wash with plenty of soap

and water. In case of doubt or persistent symptoms, consult always a

physician.

Eyes contact : Rinse immediately carefully and thoroughly with eye-bath or water. Remove

contact lenses, if present and easy to do. Continue rinsing. Get immediate

medical advice/attention.

Ingestion : Rinse mouth thoroughly with water. Get medical advice/attention.

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

Inhalation : May cause respiratory irritation.

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Eyes contact : Causes serious eye damage.

Ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Treat symptomatically.

#### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : carbon dioxide (CO2), powder, alcohol-resistant foam, water spray.

Unsuitable extinguishing media : Strong water jet.

#### 5.2. Special hazards arising from the substance or mixture

Specific hazards : Not flammable. Heating will cause a rise in pressure with a risk of bursting.

Hazardous decomposition products in

case of fire

: Carbon oxides (CO, CO2).

#### 5.3. Advice for firefighters

Firefighting instructions : Evacuate area. Use water spray or fog for cooling exposed containers. Contain

the extinguishing fluids by bunding. Prevent fire fighting water from entering

the environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-

contained breathing apparatus.

Other information : Do not allow run-off from fire-fighting to enter drains or water courses.

Dispose of waste in accordance with environmental legislation.

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

For non-emergency personnel

: Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed. Use explosion-proof equipment. Use only non-sparking tools.

#### 6.1.2. For emergency responders

For emergency responders

: Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up

: Stop leak if safe to do so. Dam up the liquid spill. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Recover large spills by pumping (use an explosion proof or hand pump). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). This material and its container must be disposed of in a safe way, and as per local legislation.

#### 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

#### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling

: Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment. Contaminated work clothing must not be allowed out of the workplace. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools.

Hygiene measures

: Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures

: Keep out of reach of children.

Storage conditions

: Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Bund storage facilities to prevent soil and water pollution in the event of spillage.

Incompatible materials

: Strong oxidizing agents.

Heat and ignition sources

: Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking. Protect from sunlight.

Special rules on packaging

: Containers which are opened should be properly resealed and kept upright to

prevent leakage.

Packaging materials

: Keep only in the original container.

# 7.3. Specific end use(s) Reference to other sections : 1.2.

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

Additional information

: Recommended monitoring procedures :. Personal air monitoring. Room air monitoring

#### 8.2. Exposure controls

Engineering measure(s)

: Use only outdoors or in a well-ventilated area. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Take precautionary measures against static discharge. Ensure equipment is adequately earthed. Organisational measures to prevent/limit releases, dispersion and exposure. See Section 7 for information on safe handling.

Personal protective equipment

: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific

workplace.

Hand protection

: Wear chemically resistant gloves (tested to EN374). Suitable material: Not determined. Breakthrough time: refer to the recommendations of the supplier. Thickness of the glove material: Not determined. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Eye protection

: Use suitable eye protection (EN166): tightly fitting safety goggles. face shield

**Body protection** 

: Wear suitable protective clothing

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment. Halfface mask (DIN EN 140). full face mask (DIN EN 136). Filter type: ABEK (EN14387). The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing

apparatus must be used. (EN 137)

Thermal hazard protection

: Not required for normal conditions of use. Use dedicated equipment.

Environmental exposure controls

: Avoid release to the environment. Comply with applicable Community environmental protection legislation.

#### **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid.
Colour : Grey.
Odour : odourless.

Odour threshold : No data available pH : No data available Relative evaporation rate (butylacetate=1) : No data available Melting / freezing point : No data available Freezing point : No data available

Initial boiling point and boiling range :  $268 \, ^{\circ}\text{C}$ Flash point :  $175 \, ^{\circ}\text{C}$ Auto-ignition temperature :  $365 \, ^{\circ}\text{C}$ 

Decomposition temperature : No data available
Flammability : Not flammable
Vapour pressure : No data available
Vapour density : No data available
Relative density : Not applicable
Density : 0,8 – 0,9 mg/cm³

Solubility : Insoluble in water. Soluble in ethanol.

Partition coefficient n-octanol/water : No data available

Kinematic viscosity : 1,54 m<sup>2</sup>/s

Dynamic viscosity : 150 mPa·s (25°C)

Explosive properties : Not applicable. The study does not need to be conducted because there are

no chemical groups associated with explosive properties present in the

molecule.

Oxidising properties : Not applicable. The classification procedure needs not to be applied because

there are no chemical groups present in the molecule which are associated

with oxidising properties.

**Explosive limits** : No data available Particle size : Not applicable Particle size distribution : Not applicable Particle shape : Not applicable Particle aspect ratio : Not applicable Particle aggregation state : Not applicable Particle agglomeration state : Not applicable : Not applicable Particle specific surface area Particle dustiness : Not applicable

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#### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

#### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

None under normal conditions. Reference to other sections: 10.4 & 10.5.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. See Section 7 for information on safe handling.

#### 10.5. Incompatible materials

Strong oxidizing agents. See Section 7 for information on safe handling.

#### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO2). Reference to other sections 5.2.

#### **SECTION 11: Toxicological information**

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

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

2,2'-(ethylenedioxy)diethyl diacrylate; triethylene glycol diacrylate (1680-21-3)					
LD50/oral/rat	500 mg/kg (Source: NLM_CIP)				
ethyl phenyl(2,4,6-trimethylbenzoyl)pho	ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate (84434-11-7)				
LD50/oral/rat > 5000 mg/kg (Source: NICNAS)					
LD50/dermal/rat	> 2000 mg/kg (Source: NICNAS)				
Skin corrosion/irritation	: Causes skin irritation.				
	pH: No data available				
Serious eye damage/irritation	: Causes serious eye damage.				
	pH: No data available				
Respiratory or skin sensitisation	: May cause an allergic skin reaction.				
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)				
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)				
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)				
STOT-single exposure	: May cause respiratory irritation.				
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)				
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)				

ANYCUBIC Water-Wash Resin +	
Kinematic viscosity	1540000 mm²/s

Other information

: Symptoms related to the physical, chemical and toxicological characteristics. For further information see section 4.

#### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not 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 %

#### 11.2.2 Other information

Other information

: Symptoms related to the physical, chemical and toxicological characteristics, For further information see section 4

#### **SECTION 12: Ecological information**

#### 12.1. Toxicity

Environmental properties : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment,

short-term (acute)

: Not classified

Hazardous to the aquatic environment,

long-term (chronic)

: Harmful to aquatic life with long lasting effects.

ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate (84434-11-7)		
LC50 - Fish [1]	1,89 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)	

#### 12.2. Persistence and degradability

ANYCUBIC Water-Wash Resin +		
Persistence and degradability	No additional information available.	

#### 12.3. Bioaccumulative potential

ANYCUBIC Water-Wash Resin +		
Partition coefficient n-octanol/water	No data available	
Bioaccumulative potential	No additional information available.	

ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate (84434-11-7)		
Partition coefficient n-octanol/water	2,91 (at 25 °C (at pH 4.4)	

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#### 12.4. Mobility in soil

ANYCUBIC Water-Wash Resin +	
Mobility in soil	No data available

#### 12.5. Results of PBT and vPvB assessment

ANYCUBIC Water-Wash Resin +	
	Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

#### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not 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 %

#### 12.7. Other adverse effects

Other adverse effects : No data available

#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations

: Avoid release to the environment. Dispose of empty containers and wastes safely. See Section 7 for information on safe handling. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations.

European waste catalogue : T

(2001/573/EC, 75/442/EEC, 91/689/EEC)

: This material and its container must be disposed of as hazardous waste Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities

#### **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID	
14.1. UN number or	14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.2. UN proper ship	pping name	·	<b>-</b>		
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.3. Transport haza	rd class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.4. Packing group					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

ADR	IMDG	IATA	ADN	RID
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

#### 14.6. Special precautions for user

Special precautions for user : No data available

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

Code: IBC : No data available.

#### **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

Listed on REACH Annex XVII (Restriction Conditions). The following restrictions are applicable:

3(b) Substances or mixtures fulfilling the criteria for any of the following hazard	ANYCUBIC
classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on	Water-Wash Resin +
development, 3.8 effects other than narcotic effects, 3.9 and 3.10	; Oxirane, 2-methyl-, polymer with oxirane, bis(2-methyl-2-propenoate), block; 2,2'- (ethylenedioxy)diethyl diacrylate; triethylene glycol diacrylate
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	ANYCUBIC Water-Wash Resin +

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### 15.1.2. National regulations

**France** 

No ICPE	Installations classées Désignation de la rubrique	Code Régime	Rayon
na	Not Applicable	na	na

Germany

Regulatory reference : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

German storage class (LGK) : LGK 12 - Non-combustible liquids

Hazardous Incident Ordinance (12.

BlmSchV)

: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Netherlands

Waterbezwaarlijkheid : A (3) - hazardous for aquatic organisms, may have longterm hazardous effects

in aquatic environment

SZW-lijst van kankerverwekkende

stoffen

: None of the components are listed

SZW-lijst van mutagene stoffen

SZW-lijst van reprotoxische stoffen –

Borstvoeding

: None of the components are listed: None of the components are listed

. None of the components at

SZW-lijst van reprotoxische stoffen -

Vruchtbaarheid

: None of the components are listed

SZW-lijst van reprotoxische stoffen -

Ontwikkeling

: None of the components are listed

**Denmark** 

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

#### 15.2. Chemical safety assessment

Not applicable

#### **SECTION 16: Other information**

Indication of changes:

UFI	Modified
Hazards identification	Modified
Composition/informat	Modified
ion on ingredients	
Eyes contact	Modified
	Modified
and boiling range	
Flash point	Added
Auto-ignition	Modified
temperature	
Dynamic viscosity	Added
Reactivity	Modified
Toxicological	Modified
information	
Serious eye	Modified
damage/irritation	
Ecological	Modified
information	
Environmental	Modified
	Hazards identification Composition/informat ion on ingredients Eyes contact Initial boiling point and boiling range Flash point Auto-ignition temperature Dynamic viscosity Reactivity Toxicological information Serious eye damage/irritation Ecological information

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	properties		
14	Transport information	Modified	
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	Modified	

Abbreviations and acronyms:

ABM = Algemene beoordelingsmethodiek
ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods Code
LEL = Lower Explosive Limit/Lower Explosion Limit
UEL = Upper Explosion Limit/Upper Explosive Limit REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
BTT = Breakthrough time (maximum wearing time)
DMEL = Derived Minimal Effect level
DNEL = Derived No Effect Level
EC50 = Median Effective Concentration
EL50 = Median effective level
ErC50 = EC50 in terms of reduction of growth rate
ErL50 = EL50 in terms of reduction of growth rate
EWC = European waste catalogue
LC50 = Median lethal concentration
LD50 = Median lethal dose
LL50 = Median lethal level
NA = Not applicable
NOEC = No observed effect concentration
NOEL: no-observed-effect level
NOELR = No observed effect loading rate
NOAEC = No observed adverse effect concentration
NOAEL = No observed adverse effect level
N.O.S. = Not Otherwise Specified
OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
PNEC = Predicted No Effect Concentration
Quantitative structure-activity relationship (QSAR)
STOT = Specific Target Organ Toxicity
TWA = time weighted average
VOC = Volatile organic compounds
WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the : ECHA (European Chemicals Agency). LOLI. Supplier information.

datasheet

: Training staff on good practice. Manipulations are to be done only by qualified and authorised persons.

Other information

Training advice

: Classification - Assessment method: CLP Calculation method (Article 9). Physicochemical hazard assessment: Information given is based on tests on the mixture itself.

#### Full text of H- and EUH-statements:

Aquatic Chronic 2 Hazardous to the aquatic environment – Chronic Hazard, Category 2
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Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Classification according to Regulation (EC) No. 1272/2008 [CLP] Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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