

SAFETY DATA SHEET

Revision:

Issue date:

2020-08-18

1.1

according to Regulation No. 1907/2006 (REACH) and Commission Regulation Revision date:

EUH208 Contains Methylchloroisothiazolinone, Methylisothiazolinone. May produce an

(EU) 2020/878

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

1.1	Product identifier Chemical name/ trade name:	Enrituals Designer Fragrance Fabric Conditioner Iconic Amethys
	Producer: Address:	Zenit, spol. s r.o. Čáslav, 286 01, Pražská 162
	Distributor: Address:	Zenit, spol. s r.o. Čáslav, 286 01, Pražská 162
1.2	Relevant identified uses of the substance of Intended use:	or mixture and uses advised against  Fabric softener. Inteded for sale to consumer and professional/industrial use.
	Uses advised against:	The use should be limited to those listed above.
1.3	Details of the supplier of the safety data sh Supplier of SDS: Address: Identification No.: Tel: www: Responsible person for this SDS:	Zenit, spol. s r.o. Čáslav, 286 01, Pražská 162 44707070 +420 327 304 890 www.zenit-caslav.cz msds@zenit-caslav.cz
1.4	Emergency telephone number National Poisons Information Service (NPIS 4123, 844 892 0111	5), Royal Infirmary of Edinburgh, Edinburgh EH16 4SA, United Kingdom, Tel.: +44 121 507
SECTI	ON 2: Hazards identification	
2.1	Classification of the substance or mixture Classification according to the EC Regulation The mixture is not classified as hazardous.	on No. 1272/2008 (CLP):
2.2	Label elements	
	Labelling according to Regulation (EC) No. 1 Hazard pictogram(s):	272/2008 [CLP]: 
	Signal word(s):	
	Hazard statement(s):	
	Precautionary statement(s):	P102 Keep out of reach of children.
	Supplemental information:	

allergic reaction.

## 2.3 Other hazards



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This product does not contain any substances which are classified as PBT or vPvB in a concentration of 0.1% by weight or higher.

This product does not contain SVHC in a concentration of 0.1% by weight or higher.

This product does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

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

## 3.2 Mixtures

Name of the component	Content (weight %)	CAS EINECS Index N° Reg. Number	Classification accord (EC) No. 1278,	•
Propan-2-ol	0.6-1.2	67-63-0 200-661-7 603-117-00-0 01-2119457558-25-0000	Eye Irrit. 2 Flam. Liq. 2 STOT SE 3	H319 H225 H336
Reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H-isothiazol-3-one [EC no. 220- 239-6] (3:1)	0.0008- < 0.0015	55965-84-9 613-167-00-5 01-2120764691-48-0000	Acute Tox. 2 Acute Tox. 2 Acute Tox. 3 Aquatic Acute 1 $M$ -factor: $100$ Aquatic Chronic 1 $M$ -factor: $100$ Eye Dam. 1 $SCL: C \ge 0,6\%$ Eye Irrit. 2 $SCL: 0,06\% \le C \le 1\%$ Skin Corr. $1C$ $SCL: C \ge 0,6\%$ Skin Irrit. 2 $SCL: 0,06\% \le C \le 1\%$ Skin Sens. $1A$ $SCL: C \ge 0,0015\%$	H330 H310 H301 H400 H410 H318 H319 H314 H315 H317

For full text of H-statements see SECTION 16.

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

## 4.1 Description of first aid measures

General advice:

In any case, avoid chaotic behavior. If you need medical treatment, always take the original package with the label or the safety data sheet. In life-threatening conditions, first resuscitate the affected person and arrange for medical assistance. Breathing - Immediately perform artificial respiration. Heart arrest - Immediately perform an indirect heart massage. Unconscious - place the affected person in a stabilized position on the side. It is always necessary to assess the situation with regard to the patient's own safety and safety. Only enter the infested area if we have adequate protection (insulating respirator, mask with the appropriate filter, protection by another worker, etc.) ATTENTION! Whenever it is a poorly ventilated area, it is important to consider the possibility that the room is infested! When handling contaminated clothing or other items, protect it with adequate personal protective equipment, including gloves. First aid should not be carried out at the place where the accident occurred if there is a rick of the rescuer being contaminated Inhalation:

Break Exposure. Remove victim to fresh air, keep calm and warm.

Skin contact:

Remove contaminated clothing and footwear. Wash the affected skin with water and soap. If there is irritation, seek medical attention. Eye contact:



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If the contact lenses are used, carefully remove them and start rinsing with clean water, the affected eye wide open, from the inner corner to the outside and also under the lid for at least 15 minutes. If problems persist, seek medical attention.

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person or if it has cramps. Protection of first aiders:

When providing first aid, it is essential to ensure both the rescue and the rescued safety.

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

Skin contact: May cause skin irritation to sensitive people. May produce an allergic reaction.

Eye contact: May cause eye irritation to sensitive people.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

## **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

Ingestion:

Suitable extinguishing media: Foam, extinguishing powder, CO2, water mist. Unsuitable extinguishing media: Direct water flow - could cause fire to spread.

## 5.2 Special hazards arising from the substance or mixture

Combustion products and hazardous gases: smoke, carbon monoxide, carbon dioxide.

### 5.3 Advice for firefighters

Respiratory units exposed to smoke or vapors must be equipped with respiratory and eye protection devices. When using in enclosed areas, an insulating respirator must be used. Containers exposed to fire cool with water mist. Collect extinguishing water separately, and avoid its penetration into the soil and water. Chemical protective clothing (EN 469).

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

## 6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing, replace contaminated clothing. Avoid contact with skin and eyes, contamination of clothes and shoes. Ensure ventilation of the affected area. All persons who do not participate in rescue operations to a safe distance.

## 6.2 Environmental precautions

Prevent leakage into the environment, avoid ingress into surface water and sewers, soil and land. In case of leakage into the sewage system or water course, inform immediately its administrator, the police, the fire brigade or the environmental department.

## 6.3 Methods and material for containment and cleaning up

In case of leakage, localize and, if possible, absorb / remove mechanically. Residues or smaller amounts sweep / get absorbed into a suitable absorbent (universal sorbent, diatomaceous earth, soil, sand) and place in suitable containers and labeled for disposal transmit in accordance with applicable regulations.

## 6.4 Reference to other sections

See section 7, 8 a 13.

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

## 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Use appropriate PPE. Use only in well-ventilated areas with fresh air intake or with adequate ventilation. Do not eat, drink, smoke. After working, wash your hands. Comply with regulations on health and safety at work.

## 7.2 Conditions for safe storage, including any incompatibilities



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Store in well sealed original containers in dry, cool and well-ventilated areas. Store in a vertical position to prevent leakage and dripping. Keep away from food, feed and medication. Store at +5 to +25 °C.

## 7.3 Specific end use(s)

See section 1.2.

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

## 8.1 Control parameters

Exposure limits: According to national legislation of target country.

Substance	CAS	Permissible exposure limits (mg/m³)	Maximum permissible concentration (mg/m³)	Note
Propan-2-ol	67-63-0	999	1250	

Substances with Community Exposure Limits:

Substance	CAS	Limit values (mg/m³)		Note
	CAS	OEL	STEL	Note
No data available.				

DNEL

## Propan-2-ol (CAS: 67-63-0)

Exposed group and route of	Duration of exposure	Type of effect	Unit	Value	
exposure	Duration of exposure	Type of effect	Oilit	value	
Workers					
Inhalation	Long-term (chronic)	systemic	mg/m³	500	
Dermal	Long-term (chronic)	systemic	mg/kg bw/d	888	
Consumers					
Inhalation	Long-term (chronic)	systemic	mg/m³	89	
Dermal	Long-term (chronic)	systemic	mg/kg bw/d	319	
Oral	Long-term (chronic)	systemic	mg/kg bw/d	26	

# Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (CAS: 55965-84-9)

Exposed group and route of exposure	Duration of exposure	Type of effect	Unit	Value	
Workers	Workers				
	Short-term (acute)	systemic	mg/m³	0.02	
Consumers					
	Short-term (acute)	systemic	mg/m³	0.02	
Oral	Long-term (chronic)	systemic	mg/kg bw/d	0.09	

**PNEC** 



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Component of the environment		PNEC	Unit	Value
	Freshwater	PNEC water, fresh.	μg/L	3.39
	Freshwater, occasional leakage	PNEC water, fresh.	μg/L	3.39
Water environment	Freshwater sediment	PNEC sed., fresh.	mg/kg sediment dw	0.027
	Seawater	PNEC water, mar.	μg/L	3.39
	Marine sediment	PNEC sed., mar.	mg/kg sediment dw	0.027
Microbiological activity	Wastewater treatment plant	PNEC sew. treat.	mg/L	0.23
Terrestrial environment /	Soil	PNEC soil	mg/kg soil dw	0.01
organisms	3011	FINEC soil	ilig/ kg soil uw	0.01

DNELs and PNECs values for the other components of the mixture haven't been determined.

### 8.2 **Exposure controls**

Technical measures: Technical measures and appropriate work procedures take precedence over personal

protective equipment. Observe the usual hygiene principles. Do not eat, drink, smoke.

Before breaks and after work wash your hands with warm water and soap.

Individual protection measures

Respiratory protection: Not necessary for normal use and handlig.

Hand protection: Not necessary for normal use and handlig. Eye / face protection: Not necessary for normal use and handlig. Skin protection: Not necessary for normal use and handlig.

Thermal hazards: None

Environmental exposure controls: Avoid unnecessary releases into the environment.

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

### 9.1 Information on basic physical and chemical properties

Property	Value	Method
Physical state:	Liquid	
Colour:	White	
Odour:	No data available.	
Odour threshold:	No data available.	
рН:	3.5 - 5.5	
Melting point / freezing point (°C):	No data available.	
Boiling point or initial boiling point and	No data available.	
boiling range (°C):		
Flash point (°C):	95	
Evaporation rate:	No data available.	
Flammability (gases, liquids and solids):	No data available.	
Lower and upper explosion limit:	No data available.	
Vapour pressure (20 °C):	No data available.	
Vapour pressure (50 °C):	No data available.	
Relative vapour density:	No data available.	
Density and/or relative density (g/cm³, 20	1.005 - 1.015	
°C):		
Solubility (20 °C):	Soluble	
Partition coefficient n-octanol/water (log	No data available.	
value):		



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Auto-ignition temperature:	No data available.	
Decomposition temperature:	No data available.	
Kinematic viscosity:	No data available.	
Refractive index (20 °C):	No data available.	
Oxidising properties:	No data available.	
Explosive properties:	No data available.	

9.2 Other information

VOC (%): 0

Dry matter content: No data available.

Additional information: No data available.

## 9.2.1 Information with regard to physical hazard classes

The product has no physical hazards.

## 9.2.2 Other safety characteristics

No data available.

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

## 10.1 Reactivity

The product is stable at the specified conditions of storage, handlig and use.

## 10.2 Chemical stability

The product is stable at the specified conditions of storage, handlig and use.

## 10.3 Possibility of hazardous reactions

Whit proper use, there is no hazardous reactions.

## 10.4 Conditions to avoid

Comply with the handling and storage conditions set out in Section 7.

## 10.5 Incompatible materials

None if the mixture is used as intended.

## 10.6 Hazardous decomposition products

Carbon oxides.

## **SECTION 11: Toxicological information**

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

Propan-2-ol (CAS: 67-63-0)

Acute toxicity:

Test type	Results	Exposure	Tested organisms
OECD 401, key study	5.84 g/kg body weight, LD50	oral: unspecified	rat
OECD 402, key study	16.4 mL/kg bw, LD50	dermal	rabbit
OECD 403, key study	ca. 5 000 ppm, transient, concentration-related narcosis and/or central nervous system sedation ca. 10 000 ppm, transient, concentration-related narcosis and/or central nervous system sedation > 10 000 ppm	inhalation: vapour	rat

Serious eye damage / irritation:



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Test type	Results	Exposure	Tested organisms
OECD 405, key study	Category 2 (irritating to eyes)	Eve	rabbit
OLCD 403, key study	based on GHS criteria	суе	Tabbit

## Skin corrosion / irritation:

Test type	Results	Exposure	Tested organisms
key study	GHS criteria not met	Skin	rabbit

## Respiratory or skin sensitisation:

Test type	Results	Exposure	Tested organisms
OECD 406, key study	GHS criteria not met	Skin	guinea pig

## STOT - single exposure:

Test type	Results	Exposure	Tested organisms
	No data available.		

## STOT - repeated exposure:

Test type	Results	Exposure	Tested organisms
	500 ppm, NOEC		
key study	5 000 ppm, NOAEC	inhalation	rat
	5 000 ppm, NOEC		

## Carcinogenicity:

Test type	Results	Exposure	Tested organisms
OECD 451, key study	5 000 ppm (nominal), NOEL	inhalation: vapour	rat

## Germ cell mutagenicity:

Test type	Results	Exposure	Tested organisms
OECD 476, key study	negative	In vitro	Chinese hamster Ovary (CHO)

## Reproductive toxicity:

Test type	Results	Exposure	Tested organisms
OECD 416, key study	500 mg/kg bw/day (nominal), NOAEL > 1 000 mg/kg bw/day (nominal), NOAEL 500 mg/kg bw/day (nominal), NOAEL > 1 000 mg/kg bw/day (nominal), NOAEL 100 mg/kg bw/day, NOAEL 100 mg/kg bw/day, NOAEL	oral: gavage	rat

## Aspiration hazard:

Test type	Results	Exposure	Tested organisms
	No data available.		



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## Acute toxicity:

Test type	Results	Exposure	Tested organisms
OECD 423, key study	200 mg/kg bw, LD50	oral: gavage	rat
OECD 402, key study	> 141 mg/kg bw, other: > 1 008 mg/kg bw, LD50	dermal	rat
IOECD 403 key study	2.36 mg/L air, LC50 0.33 mg/L air, LC50	inhalation: aerosol	rat

## Serious eye damage / irritation:

Test type	Results	Exposure	Tested organisms
lkev studv	Category 1 (irreversible effects on the eye) based on GHS criteria	Eye	rabbit

## Skin corrosion / irritation:

Test type	Results	Exposure	Tested organisms
OECD 404, key study	corrosive	Skin	rabbit

## Respiratory or skin sensitisation:

Test type	Results	Exposure	Tested organisms
	Category 1A (indication of		
key study	significant skin sensitising	Skin	mouse
	potential) based on GHS criteria		

## STOT - single exposure:

Test type	Results	Exposure	Tested organisms
	No data available.		

## STOT - repeated exposure:

Test type	Results	Exposure	Tested organisms
OECD 409, key study	22 mg/kg bw/day (actual dose received), NOAEL		dog
OECD 413, key study	0.34 mg/m³ air (analytical), NOAEL 1.15 mg/m³ air (analytical), LOAEL	inhalation	rat
key study	2.625 mg/kg bw/day, NOAEL 0.105 mg/kg bw/day, NOAEL 0.525 mg/kg bw/day, LOAEL other: , NOAEL		rat

## Carcinogenicity:

Test type	Results	Exposure	Tested organisms
OECD 453, key study	300 ppm (nominal), NOEL	oral: drinking	rat
OECD 455, key study	30 ppm (nominal), NOEL	water	rat

## Germ cell mutagenicity:

Test type	Results	Exposure	Tested organisms
OECD 475, key study	negative	oral: gavage	mouse



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## Reproductive toxicity:

Test type	Results	Exposure	Tested organisms
OECD 416, key study	30 ppm, NOAEL 30 ppm, NOAEL 300 ppm, NOAEL 300 ppm, NOEL 300 ppm, NOAEL	oral: drinking water	rat

## Aspiration hazard:

Test type	Results	Exposure	Tested organisms
	No data available.		

### mixture

Acute toxicity: The product does not meet the criteria for classification. Serious eye damage / irritation: The product does not meet the criteria for classification. Skin corrosion / irritation: The product does not meet the criteria for classification.

Respiratory or skin sensitisation: Contains Mehtylchloroisothiazolinone, Methylisothiazolinone. May produce an allergic

reaction.

STOT - single exposure:

The product does not meet the criteria for classification.

The product does not meet the criteria for classification.

The product does not meet the criteria for classification.

The product does not meet the criteria for classification.

The product does not meet the criteria for classification.

The product does not meet the criteria for classification.

The product does not meet the criteria for classification.

The product does not meet the criteria for classification.

The product does not meet the criteria for classification.

## 11.2 Information on other hazards

## **Endocrine disrupting properties**

This product does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

## Other information

No data available.

## **SECTION 12: Ecological information**

## 12.1 Toxicity

The product does not meet the criteria for classification.

## Propan-2-ol (CAS: 67-63-0)

Toxicity	xicity Tested organisms Results		Test type
Acute toxicity to fish	Pimephales promelas	10 000 mg/L, LC50 / 96 h 9 640 mg/L, LC50 / 96 h	OECD 203
Acute toxicity to invertebrates	e toxicity to invertebrates  Daphnia magna  > 10 000 mg 5 000 mg/L,		OECD 202
Acute toxicity to aquatic algae	Scenedesmus quadricauda	1 800 mg/L, other: / 7 d	
Biotic degradation		Readily biodegradable (100%)	
log Kow / log Pow		0.05 @ 25 °C	

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Toxicity	Tested organisms	Results	Test type
Acute toxicity to fish	Oncorhynchus mykiss (previous name: Salmo gairdneri)	0.19 mg/L, LC50 / 96 h 0.13 mg/L, NOEC / 96 h	
Acute toxicity to invertebrates	Americamysis bahia (previous name: Mysidopsis bahia)	0.282 mg/L, LC50 / 96 h	
0.49 $\mu$ g/L, NOEC / 48 h ute toxicity to aquatic algae Skeletonema costatum 19.9 $\mu$ g/L, EC50 / 72 h 37.1 $\mu$ g/L, EC50 / 48 h		19.9 μg/L, EC50 / 72 h	OECD 201

#### 12.2 Persistence and degradability

There is no data available for the product.

The biodegradability of the component is given in sec. 12.1

#### 12.3 **Bioaccumulative potential**

There is no data available for the product.

The value of the partition coefficient of the component is given in sec. 12.1

The value of the bioaccumulation factor of the component is given in sec. 12.1

#### Mobility in soil 12.4

No data available.

#### 12.5 Results of PBT and vPvB assessment

This product does not contain any substances which are classified as PBT or vPvB in a concentration of 0.1% by weight or higher.

### 12.6 **Endocrine disrupting properties**

This product does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

#### 12.7 Other adverse effects

No data available.

## **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

Catalogue No. of substance/mixture waste: 20 01 29 Detergents containing dangerous substances

Waste codes / waste designations

according to LoW:

15 01 10 Packaging containing residues of or contaminated by dangerous substances

Recommended procedure for

substance/mixture waste disposal:

Collect the remains of the mixture in marked containers and hand them over to a person authorized to handle hazardous waste for disposal. Suitable method of disposal: incineration

in a hazardous waste incinerator. If possible, regenerate the product.

Recommended procedure for packaging

disposal:

Empty containers must be disposed of in accordance with the applicable waste legislation. After perfect cleaning, the packaging can be used as a secondary raw material for the same

purpose. Recommended way of disposing of recycling, burning in a hazardous waste

Physical / chemical properties that may

affect waste treatment method:

No data available.

Sewage disposal-relevant information:

Protect against weathering. Prevent leakage of waste into the water / soil / sewage system.

In case of leakage, inform the competent authorities.

Other disposal recommendations:

Dispose of in accordance with applicable legislation.

incinerator or storing hazardous waste.

## **SECTION 14: Transport information**



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	Type of transport	Land transport ADR / RID	Sea transport IMDG	Air Transport ICAO / IATA
14.1	UN number or ID number	There is no dangerous good in terms of transport.	There is no dangerous good in terms of transport.	There is no dangerous good in terms of transport.
14.2	UN proper shipping name			
	Transport hazard class(es)			
	Classification code	-	-	-
14.3	Labels		I	
14.4	Packing group			

14.5 **Environmental hazards** 

14.6 Special precautions for user

Maritime transport in bulk according to IMO instruments 14.7

No

## Other information

Type of transport	Land transport ADR / RID	Sea transport IMDG	Air Transport ICAO / IATA
Limited quantities:			
Excepted quantities:			
Transport category:		-	-
Tunnel restriction code:		-	-
Segregation group:	-		-

## **SECTION 15: Regulatory information**

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

all as amended and including implementing regulations

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

Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH),...

Applicable national regulations.

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

## **SECTION 16: Other information**

Complete text of all classifications and hazard classes referred to in SECTION 3

Hazard class: Acute Tox. 2 - Acute Toxicity, category 2

> Acute Tox. 3 - Acute Toxicity, category 3 Acute Tox. 4 - Acute Toxicity, category 4

Aquatic Acute 1 - Acute aquatic toxicity, category 1



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Aquatic Chronic 1 - Chronic (long term) aquatic hazard, category 1 Aquatic Chronic 2 - Chronic (long term) aquatic hazard, category 2 Aquatic Chronic 3 - Chronic (long term) aquatic hazard, category 3

Asp. Tox. 1 - Aspiration hazard, category 1 Eye Dam. 1 - Serious eye damage, category 1

Eye Irrit. 2 - Eye irritation, category 2

Flam. Liq. 2 - Flammable liquids, category 2 Flam. Liq. 3 - Flammable liquids, category 3

STOT SE 3 - Specific target organ toxicity — single exposure, category 3

Skin Corr. 1C - Skin corrosion, category 1C Skin Irrit. 2 - Skin irritation, category 2 Skin Sens. 1 - Skin sensitisation, category 1 Skin Sens. 1A - Skin sensitisation, category 1A Skin Sens. 1B - Skin sensitisation, category 1B

**H-statements:** H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H301 Toxic if swallowed. H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H310 Fatal 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.

H330 Fatal if inhaled.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

## Abbreviations:

ADN Inland waterways

ADR Accord Dangereuses Route
CAS Chemical Abstracts Service
DNEL Derived no-effect level
EC50 Effect concentration for 50%

EINECS European Inventory of Existing Commercial Chemical Substances

IATA International Air Transport Association
ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods

LC50 Lethal concentration for 50%

LD50 Lethal dose for 50%

LOAELLowest observable adverse effect levelLOECLowest observable effect concentrationNOAECNo observable adverse effect concentration

NOAEL No observable adverse effect level NOEC No observable effect concentration

NOEL No observable effect level

NPK-P Maximum permissible concentration

OEL Occupational Exposure Limit (workplace exposure limit - 8 hours / shift)

PBT Persistent, bioacumulative and toxic

PEL Permissible exposure limits
PNEC Predicted no-effect concentration

RID Regulations for the International Carriage of Dangerous Goods by Rail



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SCL Specific concentration limits

STEL Short Term Exposure Limit (short exposure - corresponds to approx. 15 min.)

VOC Volatile organic substances

vPvB Very persistent and very bioacumulative

WGK Hazard classes for water (Wassergefährdungsklassen)

## Changes to previous version SDS:

This revision follows the revision: 1 and complies with Regulations (EC) No. 1907/2006 (REACH) and No. 1272/2008 (CLP).

The reason for the revision is the update according to Commission Regulation (EU) No. 2020/878.

Key literature references and sources for data: information from the manufacturer, database CASEC.

Classification was performed by calculation method.

## Instructions for training

Workers who come into contact with dangerous substances must be aware of the effects of these substances, how they are treated, and protective measures to the extent necessary.

Furthermore, they must be familiar with the first aid principles, with the necessary sanitation procedures and with the procedures for disaster and accident elimination.

The person handling this chemical product must be familiar with the safety rules and the data given in the safety data sheet.

If a hazardous chemical / mixture is classified as corrosive or toxic, workers should be made aware of the Corrosive / Toxic Chemicals / Mixing Rules.

Persons carrying dangerous substances must be familiar with the ADR / RID accident instructions.

## Other information

The above information describes the conditions for safe handling of the product and corresponds to the current knowledge of the manufacturer and serves as instruction for the training of the persons handling the product.

The manufacturer carries guarantee the above-described properties of the product at the recommended use.

The user is responsible for determining the suitability of the product for specific purposes and adapting security measures if such application is contrary to the manufacturer's recommendations.