according to Regulation (EC) No. 1907/2006

# Sikaflex®-11 FC Purform®

Date of last issue: 13.12.2023

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

1.1 Product identifier

Trade name : Sikaflex®-11 FC Purform®

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

Product use : Sealant/adhesive

1.3 Details of the supplier of the safety data sheet

Company name of supplier : Sika Hellas ABEE

15 Protomagias Street 145 68 Kryoneri / Athens

Telephone : +30 210 81 60 600
Telefax : +30 210 81 60 606
E-mail address of person : EHS@gr.sika.com

responsible for the SDS

1.4 Emergency telephone number

Poison Information Center + 30 210 77 93 777 Poison Information Center: 1401 (Cyprus)

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

#### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :

Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.

Precautionary statements : P101 If medical advice is needed, have product

container or label at hand.

P102 Keep out of reach of children.

Prevention:

P261 Avoid breathing mist or vapours.

P280 Wear protective gloves.

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Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.

Disposal:

P501 Dispose of contents/container in accordance

with local regulation.

#### Hazardous components which must be listed on the label:

Hardener LI (Isophoronedialdimine)

Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethoxvsilane

Pentamethyl piperidylsebacate

4,4'-methylenediphenyl diisocyanate

#### **Additional Labelling**

EUH204 Contains isocyanates. May produce an allergic reaction.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not

breathe spray or mist.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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

#### 3.2 Mixtures

Components

Chemical name	CAS-No. EC-No.	Classification	Concentration (% w/w)
	Registration number		
Urea,N,N"-(methylenedi-4,1-phenylene)bis[N'-butyl-	77703-56-1 416-600-4 01-0000016345-72- XXXX	Aquatic Chronic 4; H413	>= 2,5 - < 5
Hardener LI (Isophoronedial-dimine)	932742-30-8 700-071-4 01-2119880654-28- XXXX	Skin Sens. 1B; H317 Aquatic Chronic 3; H412	>= 0,25 - < 1

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ylene diisocyanate, oligomers with Mercaptopropyltrimethoxysilane  Pentamethyl piperidylsebacate Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate  meth	<u> </u>		
Pentamethyl piperidylsebacate Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	omers with   924-669-1   Aquatic Chro paysilane   01-2120768758-32-   H413		25
101-68-8 202-966-0 01-2119457014-47- XXXX  Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H337 Carc. 2; H351 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373  specific concentration limit Eye Irrit. 2; H319 >= 5 % STOT SE 3; H335 >= 5 % Skin Irrit. 2; H319 STOT SE 3; H335 >= 5 % Skin Irrit. 2; H319 STOT SE 3; H335 STOT SE 3; H335 >= 5 % Skin Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 Specific concentration limit Eye Irrit. 2; H315 >= 5 % Skin Irrit. 2; H315 STOT SE 3; H335 SENSE IRRITED SENS IN IRR	bacate 1065336-91-5 Skin Sens. 1 915-687-0 Repr. 2; H36 01-2119491304-40- Aquatic Acut H400 Aquatic Chro H410  M-Factor (Ac aquatic toxici M-Factor (Chro	onic 1;  cute city): 1 hronic	25
Acute inhalation toxicity (dust/mist): 1,5 mg/l	101-68-8	(; H332	
Substances with a workplace exposure limit :			
	um) 13463-67-7 236-675-5 01-2119489379-17- XXXX	>= 2,5 - <	5

For explanation of abbreviations see section 16.

according to Regulation (EC) No. 1907/2006

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# **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

General advice : Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.

Consult a physician after significant exposure.

In case of skin contact : Take off contaminated clothing and shoes immediately.

Wash off with soap and plenty of water. If symptoms persist, call a physician.

In case of eye contact : Remove contact lenses.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Do not induce vomiting without medical advice.

Rinse mouth with water.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

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

Symptoms : Allergic reactions

See Section 11 for more detailed information on health effects

and symptoms.

Risks : sensitising effects

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

Treatment : Treat symptomatically.

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

#### 5.1 Extinguishing media

Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon diox-

ide/sand/foam/alcohol resistant foam/chemical powder for

extinction.

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

Hazardous combustion prod- : No hazardous combustion products are known

ucts

#### 5.3 Advice for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

for firefighters

according to Regulation (EC) No. 1907/2006

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Further information : Standard procedure for chemical fires.

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

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

Personal precautions : Use personal protective equipment.

Deny access to unprotected persons.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

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

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For personal protection see section 8.

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

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid exceeding the given occupational exposure limits (see

section 8).

Do not get in eyes, on skin, or on clothing. For personal protection see section 8.

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being

used.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Follow standard hygiene measures when handling chemical

products

Advice on protection against

fire and explosion

Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

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

Requirements for storage areas and containers

Keep container tightly closed in a dry and well-ventilated

place. Store in accordance with local regulations.

Further information on stor- : No decomposition if stored and applied as directed.

according to Regulation (EC) No. 1907/2006

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age stability

#### 7.3 Specific end use(s)

Specific use(s) : Consult most current local Product Data Sheet prior to any

use.

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

#### 8.1 Control parameters

### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters *	Basis *
Titanium dioxide (> 10 μm)	13463-67-7	TWA (inhalable)	10 mg/m3	GR OEL
		TWA (respirable)	5 mg/m3	GR OEL
4,4'-methylenediphenyl diisocyanate	101-68-8	TWA	0,02 ppm 0,2 mg/m3	GR OEL
		STEL	0,02 ppm 0,2 mg/m3	GR OEL

<sup>\*</sup>The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Reaction product of Hexamethylene diisocy- anate, oligomers with Mercaptopropyltri- methoxysilane	Workers	Inhalation	Long-term systemic effects	1,7 mg/m3
	Workers	Dermal	Long-term systemic effects	4,7 mg/kg
	Consumers	Inhalation	Long-term systemic effects	0,3 mg/m3
	Consumers	Dermal	Long-term systemic effects	1,7 mg/kg

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Reaction product of Hexamethylene	Fresh water	0,1 mg/l
diisocyanate, oligomers with Mercap-		
topropyltrimethoxysilane		
	Intermittent use/release	1 mg/l
	Marine water	0,01 mg/l
	Intermittent use/release	1 mg/l
	Fresh water sediment	23,28 mg/kg
	Marine sediment	2,33 mg/kg
	Sewage treatment plant	100 mg/l
	Soil	4,58 mg/kg

### 8.2 Exposure controls

#### **Engineering measures**

Maintain air concentrations below occupational exposure standards. Ensure adequate ventilation, especially in confined areas.

according to Regulation (EC) No. 1907/2006

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Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166

Eye wash bottle with pure water

Hand protection : Chemical-resistant, impervious gloves complying with an ap-

proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu-

facturer specifications.

Suitable for short time use or protection against splashes:

Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed.

Suitable for permanent exposure:

Viton gloves (0.4 mm), breakthrough time >30 min.

Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345,

long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing

and stirring work.

Respiratory protection : In case of inadequate ventilation wear respiratory protection.

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe work-

ing limits of the selected respirator.

organic vapor filter (Type A)

A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficent to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

**Environmental exposure controls** 

General advice : Do not flush into surface water or sanitary sewer system.

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

### 9.1 Information on basic physical and chemical properties

Physical state : liquid
Appearance : paste
Colour : various
Odour : odourless

Melting point/range / Freezing :

point

No data available

Boiling point/boiling range : No data available

Flammability (solid, gas) : No data available

Upper/lower flammability or explosive limits

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according to Regulation (EC) No. 1907/2006

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Upper explosion limit / Up- : No data available per flammability limit

Lower explosion limit /

Lower flammability limit

: No data available

: > 101 °C Flash point

Method: closed cup

No data available Auto-ignition temperature

Decomposition temperature No data available

pΗ Not applicable

substance/mixture is non-soluble (in water)

**Viscosity** 

Viscosity, dynamic ca. 160.000 mPa.s (20 °C)

Viscosity, kinematic  $> 20,5 \text{ mm}2/\text{s} (40 ^{\circ}\text{C})$ 

Solubility(ies)

Water solubility insoluble

Partition coefficient: n-

octanol/water

No data available

Vapour pressure 0,01 hPa

Density ca. 1,36 g/cm3 (20 °C)

Relative vapour density No data available

Particle characteristics No data available

#### 9.2 Other information

No data available

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

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

The product is chemically stable.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

### 10.4 Conditions to avoid

according to Regulation (EC) No. 1907/2006

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Conditions to avoid : Avoid moisture.

10.5 Incompatible materials

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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

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

#### **Acute toxicity**

#### **Components:**

## Urea,N,N"-(methylenedi-4,1-phenylene)bis[N'-butyl-:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg

Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg

Method: OECD Test Guideline 402

### Hardener LI (Isophoronedialdimine):

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg

# Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethox-

ysilane:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg

Method: OECD Test Guideline 423

Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg

Method: OECD Test Guideline 402

#### Pentamethyl piperidylsebacate:

Acute oral toxicity : LD50 Oral (Rat): 3.230 mg/kg

#### 4,4'-methylenediphenyl diisocyanate:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50: 1,5 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist Method: Expert judgement

according to Regulation (EC) No. 1907/2006

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Acute toxicity estimate: 1,5 mg/l Test atmosphere: dust/mist Method: Calculation method

#### 11.2 Information on other hazards

### **Endocrine disrupting properties**

**Product:** 

Assessment : The substance/mixture does not contain components consid-

> ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

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

#### 12.1 Toxicity

### Components:

Urea,N,N"-(methylenedi-4,1-phenylene)bis[N'-butyl-:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 250 mg/l

Exposure time: 96 h

aquatic invertebrates

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic

plants

: EC50 (Raphidocelis subcapitata (freshwater green alga)): >

100 mg/l

Exposure time: 72 h

Hardener LI (Isophoronedialdimine):

Toxicity to fish LC50 (Fish): 87,2 mg/l

Exposure time: 96 h

aquatic invertebrates

Toxicity to daphnia and other : EC50 (Daphnia (water flea)): > 100 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic

plants

: EC50 (Desmodesmus subspicatus (green algae)): 180,4 mg/l

Exposure time: 72 h

Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethox-

ysilane:

Toxicity to fish LC50 (Brachydanio rerio (zebrafish)): > 100 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

according to Regulation (EC) No. 1907/2006

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aquatic invertebrates

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae/aquatic

plants

: EC50 (Pseudokirchneriella subcapitata (algae)): > 100 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Pentamethyl piperidylsebacate:

Toxicity to fish : LC50 (Fish): 0,97 mg/l

Exposure time: 96 h

M-Factor (Acute aquatic tox-

icity)

M-Factor (Chronic aquatic

toxicity)

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

**Product:** 

Assessment : This substance/mixture contains no components considered

> to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher...

12.6 Endocrine disrupting properties

**Product:** 

: The substance/mixture does not contain components consid-Assessment

> ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

12.7 Other adverse effects

**Product:** 

mation

Additional ecological infor- : There is no data available for this product.

Country GR 100000026211

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according to Regulation (EC) No. 1907/2006

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## **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product : The generation of waste should be avoided or minimized

wherever possible.

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe

way.

Dispose of surplus and non-recyclable products via a licensed

waste disposal contractor.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional

local authority requirements.

Avoid dispersal of spilled material and runoff and contact with

soil, waterways, drains and sewers.

European Waste Catalogue : 08 04 09\* waste adhesives and sealants containing organic

solvents or other dangerous substances

Contaminated packaging : 15 01 10\* packaging containing residues of or contaminated

by dangerous substances

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

#### 14.1 UN number or ID number

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

14.2 UN proper shipping name

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

14.4 Packing group

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA (Cargo) : Not regulated as a dangerous good

according to Regulation (EC) No. 1907/2006

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IATA (Passenger) : Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

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

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

International Chemical Weapons Convention (CWC)

Schedules of Toxic Chemicals and Precursors

REACH Information: All substances contained in our Products are

- registered by our upstream suppliers, and/or

- registered by us, and/or

- excluded from the regulation, and/or

- exempted from the registration.

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances,

mixtures and articles (Annex XVII)

Conditions of restriction for the following entries should be considered:

Number on list 3

: Not applicable

1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich

(Number on list 52)

REACH - Candidate List of Substances of Very High

Concern for Authorisation (Article 59).

: None of the components are listed

(=> 0.1 %).

REACH - List of substances subject to authorisation

(Annex XIV)

: Not applicable

Regulation (EC) No 1005/2009 on substances that de-

plete the ozone layer

Not applicable

Regulation (EU) 2019/1021 on persistent organic pollu-

tants (recast)

Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import

of dangerous chemicals

Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

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Not applicable

Volatile organic compounds : Law on the incentive tax for volatile organic compounds

(VOCV) no VOC duties

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)

Not applicable

#### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

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

#### **Full text of H-Statements**

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.
H319 : Causes serious eye irritation.

H332 : Harmful if inhaled.

H334 : May cause allergy or asthma symptoms or breathing difficul-

ties if inhaled.

H335 : May cause respiratory irritation. H351 : Suspected of causing cancer. H361f : Suspected of damaging fertility.

H373 : May cause damage to organs through prolonged or repeated

exposure if inhaled.

H400 : Very toxic to aquatic life.

H410 : Very toxic to aquatic life with long lasting effects.
 H412 : Harmful to aquatic life with long lasting effects.
 H413 : May cause long lasting harmful effects to aquatic life.

#### Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard

Carc. : Carcinogenicity Eye Irrit. : Eye irritation

Repr. : Reproductive toxicity
Resp. Sens. : Respiratory sensitisation

Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitisation

STOT RE : Specific target organ toxicity - repeated exposure STOT SE : Specific target organ toxicity - single exposure

GR OEL : Greece. Exposure limit values
GR OEL / TWA : Long term exposure limit
GR OEL / STEL : Short term exposure limit

ADR : European Agreement concerning the International Carriage of

Dangerous Goods by Road

CAS : Chemical Abstracts Service
DNEL : Derived no-effect level

according to Regulation (EC) No. 1907/2006

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EC50 : Half maximal effective concentration GHS : Globally Harmonized System

IATA : International Air Transport Association

international All Transport Association

IMDG : International Maritime Code for Dangerous Goods

LD50 : Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of

test animals)

LC50 : Median lethal concentration (concentrations of the chemical in

air that kills 50% of the test animals during the observation

period)

MARPOL : International Convention for the Prevention of Pollution from

Ships, 1973 as modified by the Protocol of 1978

OEL : Occupational Exposure Limit

PBT : Persistent, bioaccumulative and toxic PNEC : Predicted no effect concentration

REACH : Regulation (EC) No 1907/2006 of the European Parliament

and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency

SVHC : Substances of Very High Concern

vPvB : Very persistent and very bioaccumulative

#### **Further information**

### Classification of the mixture: Classification procedure:

Skin Sens. 1 H317 Calculation method

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version!

GR / EN