according to Regulation (EC) No. 1907/2006



## **BRILLANT** perfect

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

1.1 Product identifier

Trade name : BRILLANT perfect UFI : W155-S08F-S00D-2QM2

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

Use of the Substance/Mixture : Rinse aid

Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Company : Tana Chemie GmbH

Rheinallee 96 55120 Mainz +49613196403

Telephone : +49613196403 Telefax : +4961319642414

E-mail address : Produktsicherheit@werner-mertz.com

Responsible/issuing person

Contact person : Product development / product safety

## 1.4 Emergency telephone number

112

Centru za kontrolu otrovanja u Zagrebu na tel. (01) 2348 342

+49(0)6131-19240

## **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2 H319: Causes serious eye irritation.

#### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements : P102 Keep out of reach of children.

Prevention:

P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face

protection.



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Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for

several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/

attention.

Disposal:

P501 Dispose of container into the collection of

recyclables only when it is completely empty.

Safety data sheet available on request.

## 2.3 Other hazards

No information available.

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

#### 3.2 Mixtures

Chemical nature : Aqueous solution

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
ethanol	64-17-5 200-578-6 603-002-00-5 01-2119457610-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319  specific concentration limit Eye Irrit. 2; H319 >= 50 %	>= 5 - < 10
modified fatty alcohol polyglycol ether	501019-90-5	Eye Irrit. 2; H319 Aquatic Chronic 3; H412	>= 5 - < 10
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1 500-220-1 01-2119488530-36	Eye Dam. 1; H318  specific concentration limit Eye Dam. 1; H318 > 10 % Eye Irrit. 2; H319 10 %	>= 2 - < 3
citric acid	77-92-9 201-069-1 01-2119457026-42	STOT SE 3; H335 Eye Irrit. 2; H319	>= 1 - < 2

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

#### 4.1 Description of first aid measures

General advice : Move out of dangerous area.

according to Regulation (EC) No. 1907/2006



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Consult a physician.

Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.

If symptoms persist, call a physician.

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 : Protect unharmed eye.

If easy to do, remove contact lens, if worn.

Rinse immediately with plenty of water, also under the eyelids, for at

least 15 minutes.

If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Irritation

Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : For specialist advice physicians should contact the Poisons

Information Service.

#### SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during

firefighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for :

firefighters

In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must

not be discharged into drains.

Fire residues and contaminated fire extinguishing water must be

disposed of in accordance with local regulations.

according to Regulation (EC) No. 1907/2006



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

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

Personal precautions : Use personal protective equipment.

Ensure adequate ventilation.

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 : Neutralize with chalk, alkali solution or ammonia.

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., Treat recovered material as described in the section "Disposal considerations"., Refer to section 15 for specific national regulation.

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

## 7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with skin and eyes.

For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the application

area

Dispose of rinse water in accordance with local and national

regulations.

Advice on protection against fire

and explosion

Vapours may form explosive mixtures with air.

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

Store in original container. Keep container tightly closed in a dry and

well-ventilated place. Store at room temperature in the original

container.

Further information on storage

stability

No decomposition if stored and applied as directed.

#### 7.3 Specific end use(s)

Specific use(s) : Rinse aid



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

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

Personal protective equipment

Eye/face protection : If splashes are likely to occur, wear:

Tightly fitting safety goggles

Hand protection

Material : For prolonged or repeated contact use protective gloves.

It is suggested the usage of chemical resistant gloves made of butyl

rubber or nitrile rubber category III according to EN 374.

As alternative, a different type of gloves might be used if, accordingly to the recommendations of the producer, guarantee the same level of

protection.

Remarks : Take note of the information given by the producer concerning

permeability and break through times, and of special workplace

conditions (mechanical strain, duration of contact).

Skin and body protection : not required under normal use

Respiratory protection : Not required; except in case of aerosol formation.

Recommended Filter type:

ABEK-P3-filter

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

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

according to Regulation (EC) No. 1907/2006



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Colour : colourless
Odour : characteristic
Odour Threshold : No data available
pH : ca. 2,8, 100 %

at 20 °C

Melting point/range : No data available
Boiling point/boiling range : No data available

Flash point : 47,1 °C

Evaporation rate : No data available Flammability (solid, gas) : No data available

Flammability (liquids) : Not classified as supporting combustion according to the transport

regulations.

Burning rate : No data available
Lower explosion limit : Lower explosion limit

at 45,0 °C

Method: ISO 2719

Upper explosion limit : No data available
Vapour pressure : No data available
Relative vapour density : No data available
Relative density : No data available

Density : ca. 1,003 g/cm3 at 20 °C

Water solubility : soluble

Solubility in other solvents : No data available
Partition coefficient: n- : No data available

Ignition temperature : No data available
Thermal decomposition : No data available
Viscosity, dynamic : No data available
Viscosity, kinematic : No data available
Explosive properties : No data available
Oxidizing properties : No data available

#### 9.2 Other information

octanol/water

none

according to Regulation (EC) No. 1907/2006



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

#### 10.1 Reactivity

Stable under recommended storage conditions.

No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

No decomposition if used as directed.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

#### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

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

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

Our company is strongly against animal testing.

Our company does not place any orders for animal testing for the finished product or the ingredients. However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

Acute toxicity

Acute toxicity : Not Rated

**Components:** 

ethanol

ALCOHOL:

Acute oral toxicity : LD50 Oral (Rat): 10.470 mg/kg

Method: OECD Test Guideline 401

LD50 (Rat): 5.000 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 51 mg/l

Exposure time: 4 h

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

Method: OECD Test Guideline 402

LD50 Dermal (Rabbit): > 10.000 mg/kg Method: OECD Test Guideline 402

according to Regulation (EC) No. 1907/2006



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modified fatty alcohol polyglycol ether

501019-90-5:

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

D-Glucopyranose, oligomers, decyl octyl glycosides

CAPRYLYL/CAPRYL GLUCOSIDE:

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

Method: OECD Test Guideline 401

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

Method: OECD Test Guideline 402

citric acid

CITRIC ACID:

Acute oral toxicity : LD50 Oral (Mouse): 5.400 mg/kg

Method: OECD Test Guideline 401

LD50 Oral (Rat): > 2.000 mg/kg Method: OECD Test Guideline 402

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

Method: OECD Test Guideline 402

Skin corrosion/irritation

Product:

Remarks : According to the classification criteria of the European Union, the

product is not considered as being a skin irritant.

**Components:** 

ethanol

ALCOHOL:

Species : Rabbit

Method : OECD Test Guideline 404

Result : No skin irritation

D-Glucopyranose, oligomers, decyl octyl glycosides

CAPRYLYL/CAPRYL GLUCOSIDE:

Species : Rabbit

Method : OECD Test Guideline 404

Result : Mild skin irritation

Serious eye damage/eye irritation

**Product:** 

Remarks : Causes serious eye irritation.

**Components:** 

ethanol

ALCOHOL:

according to Regulation (EC) No. 1907/2006



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Species : Rabbit

Method : OECD Test Guideline 405

Result : Mild eye irritation

D-Glucopyranose, oligomers, decyl octyl glycosides

CAPRYLYL/CAPRYL GLUCOSIDE:

Species : Rabbit

Method : OECD Test Guideline 405
Result : Irreversible effects on the eye

citric acid

CITRIC ACID:

Result : Eye irritation

Respiratory or skin sensitisation

**Product:** 

Remarks : No data available

Components:

ethanol

ALCOHOL:

Result : Not a skin sensitizer.

D-Glucopyranose, oligomers, decyl octyl glycosides

CAPRYLYL/CAPRYL GLUCOSIDE:

Species : Guinea pig

Method : OECD Test Guideline 406

Result : Does not cause skin sensitisation.

citric acid

CITRIC ACID:

Result : Does not cause skin sensitisation.

Germ cell mutagenicity

Germ cell mutagenicity : Not Rated

Components:

D-Glucopyranose, oligomers, decyl octyl glycosides

CAPRYLYL/CAPRYL GLUCOSIDE:

Genotoxicity in vitro : Test Type: Ames test

Method: OECD Test Guideline 471

Result: negative

Carcinogenicity : Not Rated

Reproductive toxicity : Not Rated

according to Regulation (EC) No. 1907/2006



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STOT - single exposure : The substance or mixture is not classified as specific target organ

toxicant, single exposure.

STOT - repeated exposure : The substance or mixture is not classified as specific target organ

toxicant, repeated exposure.

Repeated dose toxicity

Components:

ethanol

ALCOHOL:

Species : Rat, male NOAEL : > 20 mg/kg

Method : OECD Test Guideline 403

Species : Rat, female NOAEL : 1.730 mg/kg

Method : OECD Test Guideline 408

citric acid

CITRIC ACID:

Species : Rat

NOAEL : 4.000 mg/kg LOAEL : 8.000 mg/kg

Application Route : Oral Exposure time : 10 d

Aspiration toxicity : Not Rated

11.2 Information on other hazards

**Further information** 

**Product:** 

Remarks : No data available

**SECTION 12: Ecological information** 

12.1 Toxicity

**Components:** 

ALCOHOL:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 13 g/l

Exposure time: 96 h

Method: OECD Test Guideline 203

LC50 (Leuciscus idus (Golden orfe)): 8.150 mg/l

Exposure time: 48 h

according to Regulation (EC) No. 1907/2006



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LC50 (Pimephales promelas (fathead minnow)): > 0,1 g/l

Exposure time: 96 h

LC50 (Fish): 11.200 mg/l

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 12.340 mg/l

Exposure time: 48 h

EC50: 5.012 mg/l

Toxicity to algae/aquatic

plants

EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l

Exposure time: 72 h

Test Type: Growth inhibition Method: OECD Test Guideline 201

EC50 (Scenedesmus capricornutum (fresh water algae)):

12.900 mg/l

Exposure time: 48 h

Test Type: Growth inhibition Method: No information available.

EC0 (Scenedesmus quadricauda (Green algae)): 5.000 mg/l

Exposure time: 168 h

EC50: 4.432 mg/l

EC10: 11,5 mg/l

EC10: 280 mg/l

Toxicity to microorganisms EC50 (Pseudomonas putida): 11.800 mg/l

Exposure time: 16 h

Test Type: Cell multiplication inhibition test

501019-90-5:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 1 - 10 mg/l

Exposure time: 96 h

aquatic invertebrates

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 1 - 10 mg/l

Toxicity to algae/aquatic

plants

: EC50 (Scenedesmus subspicatus): 10 - 100 mg/l

Toxicity to microorganisms : EC0:1-10 mg/l

Toxicity to daphnia and other :

aquatic invertebrates

NOEC: 0,1 - 1 mg/l Exposure time: 21 d

(Chronic toxicity) Method: OECD Test Guideline 211

CAPRYLYL/CAPRYL GLUCOSIDE:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 100,81 mg/l

according to Regulation (EC) No. 1907/2006



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Exposure time: 96 h

NOEC (Brachydanio rerio (zebrafish)): 1,8 mg/l

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h

NOEC (Daphnia magna (Water flea)): 1,0 mg/l

Toxicity to algae/aquatic

plants

EC50 (Scenedesmus subspicatus): 27,22 mg/l

Exposure time: 72 h

**CITRIC ACID:** 

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 440 mg/l

Exposure time: 48 h Test Type: static test

Method: OECD Test Guideline 203

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 1.535 mg/l

Exposure time: 24 h Test Type: static test

EC50 (Daphnia magna (Water flea)): ca. 120 mg/l

Exposure time: 72 h

Toxicity to algae/aquatic

plants

NOEC (Scenedesmus quadricauda (Green algae)): 425 mg/l

Exposure time: 8 Days Test Type: static test

Toxicity to microorganisms : (Pseudomonas putida): > 10.000 mg/l

Exposure time: 16 h

## 12.2 Persistence and degradability

Product:

Biodegradability : Remarks: The surfactant(s) contained in this preparation

complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

**Components:** 

ALCOHOL:

Biodegradability : Result: Readily biodegradable.

Biodegradation: 97 %

Method: OECD Test Guideline 301

501019-90-5:

Biodegradability : Remarks: The surfactant(s) contained in this mixture

complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to

support this assertion are held at the disposal of the

competent authorities of the Member States and will be made

according to Regulation (EC) No. 1907/2006



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available to them, at their direct request or at the request of a

detergent manufacturer.

CAPRYLYL/CAPRYL GLUCOSIDE:

Biodegradability : Result: rapidly biodegradable

Biodegradation: 100 % Exposure time: 28 d Method: OECD 301 E

CITRIC ACID:

Biodegradability : Result: Readily biodegradable.

Biodegradation: 97 % Exposure time: 28 d Method: OECD 301 B

Result: Readily biodegradable.

Biodegradation: 100 % Exposure time: 19 d Method: OECD 301 E

Biochemical Oxygen

Demand (BOD)

526 mg/g

Chemical Oxygen Demand

(COD)

728 mg/g

ThOD : 0,75 g/g

12.3 Bioaccumulative potential

Components:

ALCOHOL:

Bioaccumulation : Concentration: 3,2 mg/l

Partition coefficient: n-

octanol/water

log Pow: -0,32

CITRIC ACID:

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <=

4).

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

**Components:** 

CITRIC ACID:

Assessment : This substance is not considered to be persistent,

bioaccumulating and toxic (PBT).. This substance is not

according to Regulation (EC) No. 1907/2006



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considered to be very persistent and very bioaccumulating

(vPvB).

## 12.6 Endocrine disrupting properties

No data available

#### 12.7 Other adverse effects

**Product:** 

Additional ecological

information

: There is no data available for this product.

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

#### 13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.

Do not contaminate ponds, waterways or ditches with chemical or

used container.

In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

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

#### 14.1 UN number or ID number

ADR

Not dangerous goods

IMDG

Not dangerous goods

**IATA** 

Not dangerous goods

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

**ADR** 

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

#### 14.4 Packing group

**ADR** 

Not dangerous goods

**IMDG** 

Not dangerous goods

IATA

Not dangerous goods

according to Regulation (EC) No. 1907/2006



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#### 14.5 Environmental hazards

**ADR** 

Not dangerous goods

**IMDG** 

Not regulated as a dangerous good

**IATA** 

Not dangerous goods

14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

For personal protection see section 8.

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

Regulation (EC) No 649/2012 of the European Parliament and : Not applicable

the Council concerning the export and import of dangerous

chemicals

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident

hazards involving dangerous substances.

Quantity 1 Quantity 2

P5c FLAMMABLE LIQUIDS 5.000 000067 50.000 000067

TA Luft List (Germany) : Total dust: Not applicable

: Inorganic substances in powdered form: Not applicable

: Inorganic substances in vapour or gaseous form: : portionClass 3: <

0,01 %

: Organic Substances: : portionClass 1: < 0,01 %

Carcinogenic substances: Not applicable

: Mutagenic: Not applicable

: Toxic to reproduction: Not applicable

Volatile organic compounds

(VOC) content

Directive 2010/75/EU of 24 November 2010 on industrial emissions

(integrated pollution prevention and control)

Update: Percent volatile: 9,7 %

435,76 g/l

VOC content excluding water

Volatile organic compounds

(VOC) content

Directive 2010/75/EU of 24 November 2010 on industrial emissions

(integrated pollution prevention and control)

Update: Percent volatile: 9,7 %

97,29 g/l

VOC content valid only for coating materials used on wood surfaces

according to Detergents Regulation EC 648/2004 : 5 - <15% Non-ionic surfactants, <5% Anionic surfactants

GISBAU (D) : no assignment possible

according to Regulation (EC) No. 1907/2006



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#### 15.2 Chemical safety assessment

There is no data available for this product.

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

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

H225 : Highly flammable liquid and vapour.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H335 : May cause respiratory irritation.

H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Chronic : Long-term (chronic) aquatic hazard

Eye Dam. : Serious eye damage
Eye Irrit. : Eye irritation
Flam. Liq. : Flammable liquids

STOT SE : Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC -Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL -International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC -No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT -Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN -United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### **Further information**

Classification of the mixture:

Classification procedure:

Eye Irrit. 2 H319 Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

according to Regulation (EC) No. 1907/2006



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