

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



Tana-Chemie GmbH
Werner & Mertz Group

BRILLANT soft

WM 0712682

Order number: 0712682

Version 3.5

Revision Date 13.03.2025

Print Date 24.10.2025

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

1.1 Product identifier

Trade name : BRILLANT soft
UFI : GT39-J094-S002-0VWA

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
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

+49(0)551-19240

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 skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.

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.

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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

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

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

Chemical nature : Aqueous surfactant solution.

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Fatty alcohol alkoxylate	111905-53-4	Eye Irrit. 2; H319 Acute Tox. 4; H302 Aquatic Chronic 3; H412	>= 10 - < 15
Alcohols, C12-15, ethoxylated propoxylated	68551-13-3	Aquatic Acute 1; H400	>= 5 - < 10
propan-2-ol	67-63-0 200-661-7 603-117-00-0 01-2119457558-25	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system)	>= 5 - < 10
Citric acid	77-92-9 201-069-1 607-750-00-3 01-2119457026-42	STOT SE 3; H335 Eye Irrit. 2; H319	>= 1 - < 2
sodium cumenesulphonate	28348-53-0 248-983-7 01-2119489411-37	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.
Consult a physician.
Show this safety data sheet to the doctor in attendance.

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- | | | |
|-------------------------|---|--|
| 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. |
|--------------------------------------|---|---|

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. |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- | | | |
|----------------------|---|--|
| Personal precautions | : | Use personal protective equipment.
Ensure adequate ventilation. |
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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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

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

Substance name	End Use	Exposure routes	Potential health effects	Value
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propan-2-ol	Workers	Skin contact	Long-term systemic effects	888 mg/kg
	Workers	Inhalation	Long-term systemic effects	500 mg/m3
	Consumers	Skin contact	Long-term systemic effects	319 mg/kg
	Consumers	Ingestion	Long-term systemic effects	26 mg/kg
	Consumers	Inhalation	Long-term systemic effects	89 mg/m3
sodium cumenesulphonate	Workers	Skin contact	Long-term systemic effects	7,6 mg/kg
	Workers	Inhalation	Long-term systemic effects	53,6 mg/m3
	Consumers	Skin contact	Long-term systemic effects	3,8 mg/kg
	Consumers	Inhalation	Long-term systemic effects	13,2 mg/m3
	Consumers	Ingestion	Long-term exposure, Systemic effects	3,8 mg/kg

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

Substance name	Environmental Compartment	Value
propan-2-ol	Fresh water	140,9 mg/l
	Marine water	140,9 mg/l
	Fresh water sediment	552 mg/kg
	Marine sediment	552 mg/kg
	Soil	28 mg/kg
	intermittent release	140,9 mg/l
	STP	2251 mg/l
	Oral	160 mg/kg
Citric acid, citric acid	Fresh water	0,44 mg/l
	Marine water	0,044 mg/l

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	STP	> 1000 mg/l
	Fresh water sediment	34,6 mg/kg
	Marine sediment	3,46 mg/kg
	Soil	33,1 mg/kg
sodium cumenesulphonate	Fresh water	0,23 mg/l
	STP	100 mg/l
	intermittent release	2,3 mg/l

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

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: liquid
Colour	: yellow
Odour	: characteristic
Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available
Flammability (solid, gas)	: No data available
Flammability (liquids)	: Not classified as supporting combustion according to the transport regulations.
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Flash point	: 45 °C
Ignition temperature	: No data available
Decomposition temperature	: No data available
pH	: ca. 2,5, 100 % at 20 °C
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Vapour pressure	: No data available
Density	: ca. 1,005 g/cm ³ at 20 °C
Relative density	: No data available
Relative vapour density	: No data available
Particle characteristics	: No data available

9.2 Other information

none

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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:

Fatty alcohol alkoxylate

111905-53-4:

Acute oral toxicity : LD50 (Rat): > 300 - 2.000 mg/kg

Alcohols, C12-15, ethoxylated propoxylated

68551-13-3:

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

propan-2-ol

67-63-0:

Acute oral toxicity : LD50 Oral (Rat): 5.840 mg/kg
Method: OECD Test Guideline 401

LD50 Oral (Rat): 4.570 mg/kg

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LD50 Oral (Rat): 5.045 mg/kg

Acute inhalation toxicity : LC50 (Rat, female): 47,5 mg/l
Exposure time: 8 h
Method: OECD Test Guideline 403

LC50 (Rat): 72,6 mg/l
Exposure time: 4 h

LC50 (Mouse): 27,2 mg/l
Exposure time: 4 h

LC50 (Rat): 25 mg/l
Exposure time: 6 h
Method: OECD Test Guideline 403

LC50 (Rat): 30 mg/l
Exposure time: 4 h

LC50 (Rat): 10000 ppm
Exposure time: 6 h

Acute dermal toxicity : LD50 (Rabbit): 12.800 mg/kg
Method: OECD Test Guideline 402

LD50 Dermal (Rabbit): 12.870 mg/kg
Method: OECD Test Guideline 402

LD50 Dermal (Rabbit): 13.900 mg/kg
Method: OECD Test Guideline 402

LD50 Dermal (Rabbit): 13.400 mg/kg

Citric acid

77-92-9:

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

sodium cumenesulphonate

28348-53-0:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 401

Skin corrosion/irritation

Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

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Components:

propan-2-ol

67-63-0:

Species : Rabbit
Result : No skin irritation

Serious eye damage/eye irritation

Product:

Remarks : Causes serious eye irritation.

Components:

propan-2-ol

67-63-0:

Species : Rabbit
Result : irritating

Citric acid

77-92-9:

Result : Eye irritation

Respiratory or skin sensitisation

Product:

Remarks : No data available

Components:

propan-2-ol

67-63-0:

Test Type : Buehler Test
Species : Guinea pig
Result : Does not cause skin sensitisation.

Citric acid

77-92-9:

Result : Does not cause skin sensitisation.

Germ cell mutagenicity

Germ cell mutagenicity : Not Rated

Components:

propan-2-ol

67-63-0:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Result: negative

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Carcinogenicity	: Not Rated
Reproductive toxicity	: Not Rated
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:

Citric acid

77-92-9:

Species	: Rat
NOAEL	: 4.000 mg/kg
LOAEL	: 8.000 mg/kg
Application Route	: Oral
Exposure time	: 10 d

Aspiration toxicity	: Not Rated
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11.2 Information on other hazards

Further information

Product:

Remarks	: No data available
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SECTION 12: Ecological information

12.1 Toxicity

Components:

Fatty alcohol alkoxylate

111905-53-4:

Toxicity to fish	: LC50 (Leuciscus idus (Golden orfe)): > 1 - 10 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l Exposure time: 48 h
Toxicity to microorganisms	: EC10 (activated sludge): > 1.000 mg/l

Alcohols, C12-15, ethoxylated propoxylated

68551-13-3:

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 0,61 - 0,75 mg/l Exposure time: 96 h Test Type: static test
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- LC50 (Cyprinodon variegatus (sheepshead minnow)): > 3,2 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,17 - 0,25 mg/l
Exposure time: 48 h
- propan-2-ol**
67-63-0:
- Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 1.400 mg/l
Exposure time: 96 h
- LC50 (Pimephales promelas (fathead minnow)): 9.640 mg/l
Exposure time: 96 h
- LC50 (Leuciscus idus (Golden orfe)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
GLP: no
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 13.299 mg/l
Exposure time: 48 h
Test Type: Immobilization
Method: OECD Test Guideline 202
- EC50 (Daphnia magna (Water flea)): 9.714 mg/l
Exposure time: 24 h
- EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
GLP: no
- (Daphnia (water flea)): > 10.000 mg/l
Method: OECD Test Guideline 202
- NOEC (Daphnia magna (Water flea)): 30 mg/l
Exposure time: 21 d
- EC50 (Daphnia magna (Water flea)): 10.000 mg/l
Exposure time: 48 h
- Toxicity to algae/aquatic plants : IC50 (Desmodesmus subspicatus (green algae)): > 1.000 mg/l
Exposure time: 72 h
Test Type: Growth inhibition
- EC50 (Pseudokirchneriella subcapitata (microalgae)): > 100 mg/l
Exposure time: 72 h
Test Type: static test
GLP: no
- ErC50 (Pseudokirchneriella subcapitata (green algae)): > 1.000 mg/l
Exposure time: 72 h
- EC50 (Scenedesmus subspicatus): > 100 mg/l
Exposure time: 72 h
Test Type: static test
- Toxicity to microorganisms : EC50 (Aliivibrio fischeri): 17.700 mg/l

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Exposure time: 5 min

EC10 (*Pseudomonas putida*): 5.175 mg/l

Exposure time: 18 h

Method: DIN 38412

Citric acid, citric acid

77-92-9:

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

sodium cumenesulphonate

28348-53-0:

Toxicity to fish : LC50 (*Cyprinus carpio* (Carp)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): > 100 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (*Desmodesmus subspicatus* (green algae)): > 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

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:

Fatty alcohol alkoxylate

111905-53-4:

Biodegradability : Result: rapidly biodegradable
Biodegradation: > 60 %
Exposure time: 28 d
Method: OECD 301 F

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Alcohols, C12-15, ethoxylated propoxylated

68551-13-3:

Biodegradability : Remarks: This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Biodegradation: 60,5 %

Method: EN ISO 14593: CO2-Headspace-Test

Biodegradation: 95,5 %

Remarks: see user defined free text

Chemical Oxygen Demand (COD) : 2.200 mg/g

BOD/COD : BOD/COD: 29 %
Remarks: see user defined free text

Dissolved organic carbon (DOC) : 620 mg/g
Method: see user defined free text

propan-2-ol

67-63-0:

Biodegradability : Result: rapidly biodegradable
Biodegradation: 95 %
Exposure time: 21 d
Method: OECD 301 E

Inoculum: activated sludge
Result: rapidly biodegradable
Biodegradation: 53 %
Exposure time: 5 d

Result: rapidly biodegradable
Biodegradation: > 70 %
Exposure time: 10 d
GLP: no

Biodegradation: 99,9 %
Method: see user defined free text

Chemical Oxygen Demand (COD) : 2,32 g/kg

ThOD : 2,40 g/g

Citric acid, citric acid

77-92-9:

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 : 526 mg/g

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(BOD)

Chemical Oxygen Demand (COD) : 728 mg/g

ThOD : 0,75 g/g

sodium cumenesulphonate

28348-53-0:

Biodegradability : Test Type: aerobic
Result: Readily biodegradable.
Biodegradation: > 60 %
Exposure time: 28 d
Method: OECD 301 B

12.3 Bioaccumulative potential

Components:

propan-2-ol

67-63-0:

Bioaccumulation : Bioconcentration factor (BCF): 3

Remarks: No bioaccumulation is to be expected (log Pow ≤ 4).

Partition coefficient: n-octanol/water : log Pow: 0,05

Citric acid, citric acid

77-92-9:

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow ≤ 4).

12.4 Mobility in soil

Components:

propan-2-ol

67-63-0:

Distribution among environmental compartments : Koc: 25
Remarks: Highly mobile in soils

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).. This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Components:

Fatty alcohol alkoxylate

111905-53-4:

Assessment : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).. This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

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propan-2-ol

67-63-0:

Assessment : This substance is not considered to be very persistent and very bioaccumulating (vPvB).. This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

Citric acid, citric acid

77-92-9:

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Endocrine disrupting properties

Components:

111905-53-4:

Assessment : 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.

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.

Waste Code : European Waste Catalogue
20 01 29*
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

14.1 UN number or ID number

ADR

Not dangerous goods

IMDG

Not dangerous goods

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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

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

: Directive 96/82/EC does not apply

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: Not applicable
	: Organic Substances: Not applicable
	: Carcinogenic substances: Not applicable
	: Mutagenic: Not applicable
	: Toxic to reproduction: Not applicable

Volatile organic compounds (VOC) content	: Directive 1999/13/EC
	Update: Percent volatile: 5 %

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according to Regulation (EC) No. 1907/2006, as amended



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50 g/l

VOC content valid only for coating materials used on wood surfaces

Volatile organic compounds (VOC) content : Directive 1999/13/EC
Update: Percent volatile: 5 %
180,48 g/l
VOC content excluding water

according to Detergents Regulation EC 648/2004 : 15 - <30% non-ionic surfactants

GISBAU (D) : no assignment possible

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.
H302 : Harmful if swallowed.
H319 : Causes serious eye irritation.
H335 : May cause respiratory irritation.
H336 : May cause drowsiness or dizziness.
H400 : Very toxic to aquatic life.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

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

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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:

Eye Irrit. 2

H319

Classification procedure:

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.

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