

SANET POWER Q&E 6X325ML WEST

WM 1213747

Order number: 0713747

Version 10.4

Revision Date 04.02.2021

Print Date 24.09.2021

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

1.1 Product identifier

Trade name : SANET POWER Q&E 6X325ML WEST
Identification number : 64534

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

Use of the Substance/Mixture : Cleaning agent
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

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)

Corrosive to metals, Category 1 H290: May be corrosive to metals.
Skin irritation, Category 1A H314: Causes severe skin burns and eye damage.
Serious eye damage, Category 1 H318: Causes serious eye damage.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

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Hazard statements	: H290 H314	May be corrosive to metals. Causes severe skin burns and eye damage.
Precautionary statements	: P102 Prevention: P260 P280 Response: P305 + P351 + P338 + P310 P302 + P352 P333 + P313 Disposal: P501	Keep out of reach of children. Do not breathe spray. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention. Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:
methanesulphonic acid

Safety data sheet available on request.

Classification in use concentration

Hazard pictograms



Signal word	: Warning	
Hazard statements	: H315 H319	Causes skin irritation. Causes serious eye irritation.
Precautionary statements	: P102 P260 P280 P305 + P351 + P338 + P310 P302 + P350 P501	Keep out of reach of children. Do not breathe spray. Wear protective gloves/ eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. IF ON SKIN: Gently wash with plenty of soap and water. Only give completely emptied container to special waste disposer.

2.3 Other hazards

No information available.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
citric acid	77-92-9 201-069-1 01-2119457026-42	Eye Irrit. 2; H319	>= 25 - < 40
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1 01-2119488530-36	Eye Dam. 1; H318 SCL > 10 % 1; H318 10 % 2; H319	>= 5 - < 10
methanesulphonic acid	75-75-2 200-898-6 01-2119491166-34	Skin Corr. 1B; H314 Met. Corr. 1; H290 Acute Tox. 4; H302 Acute Tox. 4; H312 STOT SE 3; H335 Eye Dam. 1; H318 SCL 5 - 100 % 1B; H314 3 - < 5 % 1; H318 3 - < 5 % 2; H315 1 - < 3 % 2; H319 1 - < 3 % 2; H315	>= 3 - < 5

For explanation of abbreviations see section 16.

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.
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.
Immediate medical treatment is necessary as untreated wounds from
corrosion of the skin heal slowly and with difficulty.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue
damage and blindness.
Protect unharmed eye.
Continue rinsing eyes during transport to hospital.

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If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : corrosive effects
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.
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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.
Evacuate personnel to safe areas.

6.2 Environmental precautions

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

6.3 Methods and materials 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. To avoid spills during handling keep bottle on a metal tray.

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 : Store in original container. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store at room temperature in the original container.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Cleaning agent

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

DNEL

D-Glucopyranose, oligomers, decyl octyl glycosides 68515-73-1: : End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects

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Value: 595000 mg/kg

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 420 mg/m3

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 357000 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 124 mg/m3

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Value: 35,7 mg/kg

**methanesulphonic acid
75-75-2:**

: End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 2,89 mg/m3

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 19,44 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 1,44 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Acute systemic effects
Value: 1,44 mg/kg

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 8,33 mg/kg

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 6,76 mg/m3

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Value: 8,33 mg/kg

End Use: Consumers

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Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 1,73 mg/m³

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term exposure
Value: 0,7 mg/m³

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 0,42 mg/m³

PNEC

**citric acid
77-92-9:**

: Fresh water
Value: 0,44 mg/l

Marine water
Value: 0,044 mg/l

STP
Value: > 1000 mg/l

Fresh water sediment
Value: 34,6 mg/kg

Marine sediment
Value: 3,46 mg/kg

Soil
Value: 33,1 mg/kg

**D-Glucopyranose, oligomers,
decyl octyl glycosides
68515-73-1:**

: Fresh water
Value: 0,176 mg/l

Marine water
Value: 0,0176 mg/l

intermittent release
Value: 0,27 mg/l

STP
Value: 560 mg/l

Fresh water sediment
Value: 1,516 mg/kg

Marine sediment
Value: 0,152 mg/kg

Soil
Value: 0,654 mg/kg

**methanesulphonic acid
75-75-2:**

: Fresh water
Value: 0,012 mg/l

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Marine water
Value: 0,0012 mg/l

Fresh water sediment
Value: 0,0251 mg/kg

Soil
Value: 0,00183 mg/kg

Intermittent use/release
Value: 0,12 mg/l

Sewage treatment plant
Value: 100 mg/l

8.2 Exposure controls

Personal protective equipment

Eye protection : Tightly fitting safety goggles

Hand protection

Material : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

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 : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Remove and wash contaminated clothing before re-use.

Respiratory protection : Not required; except in case of aerosol formation.
Recommended Filter type:
ABEK-P3-filter

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

Appearance : liquid

Colour : red

Odour : characteristic

Odour Threshold : No data available

pH : ca. 0,4, at20 °C

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Melting point/range	: No data available
Boiling point/boiling range	: No information available.
Flash point	: Not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Flammability (liquids)	: No data available
Burning rate	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: ca. 1,173 g/cm ³ at 20 °C
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n- octanol/water	: 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

none

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

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Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.
Other information : No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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.

Product

Acute oral toxicity : Acute toxicity estimate : > 2.000 mg/kg
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 2.000 mg/kg
Method: Calculation method

Skin corrosion/irritation : Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation : May cause irreversible eye damage.

Respiratory or skin sensitisation : No data available

Germ cell mutagenicity : Not Rated

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.

Aspiration toxicity : Not Rated

Further information : No data available

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Components:

citric acid

77-92-9:

- Acute oral toxicity : LD50 Oral Mouse: 5.400 mg/kg
Method: OECD Test Guideline 401
- LD50 Oral Rat: 11.700 mg/kg
Method: OECD Test Guideline 401
- LD50 Oral Mouse: 5.000 mg/kg
- LD50 Oral Rat: 3.000 mg/kg
- Acute dermal toxicity : LD50 Dermal Rat: > 2.000 mg/kg
Method: OECD Test Guideline 402
- Acute toxicity (other routes of administration) : see user defined free text Rat: 725 mg/kg
Application Route: see user defined free text
- see user defined free text Mouse: 940 mg/kg
Application Route: see user defined free text
- Serious eye damage/eye irritation : Result: Eye irritation
- Respiratory or skin sensitisation : Result: Does not cause skin sensitisation.
- Carcinogenicity - Assessment : Not classifiable as a human carcinogen.
- Repeated dose toxicity : Rat: NOAEL: 4.000 mg/kg
LOAEL: 8.000 mg/kg
Application Route: Oral
Exposure time: 10 d

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

- 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
- Skin corrosion/irritation : Species: Rabbit
Result: Mild skin irritation
Method: OECD Test Guideline 404
- Serious eye damage/eye irritation : Species: Rabbit
Result: Irreversible effects on the eye
Method: OECD Test Guideline 405

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Respiratory or skin sensitisation : Species: Guinea pig
Result: Does not cause skin sensitisation.
Method: OECD Test Guideline 406

Germ cell mutagenicity

Genotoxicity in vitro : Type: Ames test
Result: negative
Method: OECD Test Guideline 471

methanesulphonic acid

75-75-2:

Acute oral toxicity : LD50 Rat: 200 mg/kg

LD50 Rat: 649 mg/kg

Acute inhalation toxicity : LC0 Mouse: > 1,88 mg/l
Exposure time: 1 h

LC0 Rat: 0,74 mg/l
Exposure time: 6 h

Acute dermal toxicity : LD50 Rabbit: > 1.000 - 2.000 mg/kg

SECTION 12: Ecological information

12.1 Toxicity

Components:

citric acid

77-92-9:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 440 - 760 mg/l
Exposure time: 96 h
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

EC50 (Daphnia magna (Water flea)): ca. 120 mg/l
Exposure time: 72 h

Toxicity to algae : NOEC (Scenedesmus quadricauda (Green algae)): 425 mg/l
Exposure time: 8 Days
Test Type: static test

Toxicity to bacteria : (Pseudomonas putida): > 10.000 mg/l
Exposure time: 16 h

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

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Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 100,81 mg/l
Exposure time: 96 h

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

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

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

Toxicity to algae : EC50 (Scenedesmus subspicatus): 27,22 mg/l
Exposure time: 72 h

methanesulphonic acid 75-75-2:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 10 - 100 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 10 - 100 mg/l
aquatic invertebrates Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Scenedesmus capricornutum (fresh water algae)): 10 - 100
mg/l
Exposure time: 72 h
Test Type: Growth inhibition
Method: OECD Test Guideline 201

Toxicity to bacteria : EC50 : 10 - 100 mg/l
Exposure time: 72 h
Method: see user defined free text
Remarks: see user defined free text

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:

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

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Biochemical Oxygen Demand (BOD) : 526 mg/g

Chemical Oxygen Demand (COD) : 728 mg/g

ThOD : 0,75 g/g

D-Glucopyranose, oligomers, decyl octyl glycosides 68515-73-1:

Biodegradability : Result: rapidly biodegradable
Biodegradation: 100 %
Exposure time: 28 d
Method: OECD 301 E

methanesulphonic acid 75-75-2:

Biodegradability : Result: rapidly biodegradable
Biodegradation: > 99 %
Exposure time: 28 d

12.3 Bioaccumulative potential

Components:

citric acid

77-92-9:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: -1,72

methanesulphonic acid

75-75-2:

Partition coefficient: n-octanol/water : log Pow: -2,38

12.4 Mobility in soil

Components:

methanesulphonic acid

75-75-2:

Distribution among environmental compartments : Koc: 1Remarks: Highly mobile in soils

12.5 Results of PBT and vPvB assessment

Components:

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 Other adverse effects

Product:

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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 : Only give completely emptied packaging to special waste disposer.
Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

- ADR : 3265
IMDG : 3265
IATA : 3265

14.2 Proper shipping name

- ADR : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(methanesulphonic acid)
- IMDG : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(methanesulphonic acid)
- IATA : Corrosive liquid, acidic, organic, n.o.s. Not permitted for transport

14.3 Transport hazard class

- ADR : 8
IMDG : 8
IATA : 8

14.4 Packing group

- ADR
Classification Code : C3
Packaging group : III
Hazard Identification Number : 80
Labels : 8
Tunnel restriction code : (E)
- IMDG
Packaging group : III
Labels : 8
EmS Number : F-A, S-B
- IATA
(Cargo) : Corrosive liquid, acidic, organic, n.o.s. Not permitted for transport
Packaging group : III
Labels : 8

14.5 Environmental hazards

ADR

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Environmentally hazardous : no

IMDG

Marine pollutant : no

IATA

Environmentally hazardous : no

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

For personal protection see section 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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 the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of restriction

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable

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: : portionClass 1: 34,51 %
: 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: 3,51 %
106,76 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: 3,51 %
38,07 g/l
VOC content valid only for coating materials used on wood surfaces

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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

GISBAU (D) : GS 50

15.2 Chemical safety assessment

There is no data available for this product.

SECTION 16: Other information

Full text of H-Statements

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Further information

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Classification procedure:	H290	On basis of test data.
	H314	On basis of test data.
	H318	Calculation method

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; AICS - Australian Inventory of Chemical Substances; 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; TRGS - Technical Rule for Hazardous

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

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Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

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