



SANET BR 75

WM 0712922

Order number: 0712922

Version 9.4

Revision Date 17.01.2024

Print Date 22.07.2024

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

1.1 Product identifier

Trade name : SANET BR 75
UFI : GA78-K0E3-R00Q-ANEP

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)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.

Skin irritation, Category 2 H315: Causes skin irritation.

Corrosive to metals, Category 1 H290: May be corrosive to metals.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning



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Hazard statements	:	H315 H319 H290	Causes skin irritation. Causes serious eye irritation. May be corrosive to metals.
Precautionary statements	:	P102 Prevention: P260 P264 P280 Response: P305 + P351 + P338 P337 + P313	Keep out of reach of children. Do not breathe spray. Wash hands thoroughly after handling. 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. If eye irritation persists: Get medical advice/ attention.

Safety data sheet available on request.

2.3 Other hazards

None known.

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)
Phosphoric acid	7664-38-2 231-633-2 015-011-00-6 01-2119485924-24	Skin Corr. 1B; H314 Met. Corr. 1; H290 Acute Tox. 4; H302 Eye Dam. 1; H318 specific concentration limit Skin Corr. 1B; H314 >= 25 % Skin Irrit. 2; H315 10 - < 25 % Eye Irrit. 2; H319 10 - < 25 %	>= 20 - < 25
Alcohols, C13-15, branched and linear, ethoxylated	157627-86-6 500-337-8	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412 specific concentration limit Eye Dam. 1; H318 > 10 %	>= 3 - < 10
Benzenesulfonic acid, C10-13-alkyl	68411-30-3	Acute Tox. 4; H302	>= 1 - < 2,5



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derivs., sodium salts	270-115-0 01-2119489428-22	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	
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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.
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.
- 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
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.
- Hazardous combustion products : No hazardous combustion products are known



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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

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 formation of aerosol.
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.
Dispose of rinse water in accordance with local and national regulations.

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



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and containers 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.

Further information on storage stability : 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

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
orthophosphoric acid	Not Assigned	TWA	1 mg/m3	2000/39/EC
	Further information: Indicative			
		STEL	2 mg/m3	2000/39/EC
	Further information: Indicative			

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



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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.

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
Colour	: blue green
Odour	: characteristic
Odour Threshold	: No data available
pH	: ca. 0,5, 100 % at 20 °C
Melting point/range	: No data available
Boiling point/boiling range	: No data available
Flash point	: does not flash
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. 1,149 g/cm ³ at 20 °C



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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
acid reserve	:	9,8 g/100g
Flow time	:	19 s at 40 °C Cross section: 4 mm
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

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.



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Acute toxicity

Product:

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

Components:

Phosphoric acid

7664-38-2:

Acute oral toxicity : LD50 Oral (Rat): 1.530 mg/kg
LD50 Oral (Rat): 2.600 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0,21 mg/l
Exposure time: 4 h
LC50 (Rat): 850 mg/l
Exposure time: 2 h

Acute dermal toxicity : LD50 (Rabbit): 2.740 mg/kg

Alcohols, C13-15, branched and linear, ethoxylated

157627-86-6:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg
LD50 Oral (Rat): 300 - 5.000 mg/kg

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

68411-30-3:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 401
Test substance: see user defined free text
Target Organs: Gastrointestinal tract
Symptoms: Diarrhoea, Drowsiness, Breathing difficulties
LD50 (Rat, male and female): 1.080 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402
Symptoms: Crusting

Skin corrosion/irritation

Product:

Remarks : Extremely corrosive and destructive to tissue.

Components:

Phosphoric acid

7664-38-2:

Species : Rabbit



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Exposure time : 24 h
Result : Corrosive

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

68411-30-3:

Species : Rabbit
Method : OECD Test Guideline 404
Result : irritating

Serious eye damage/eye irritation

Product:

Remarks : May cause irreversible eye damage.
Causes serious eye irritation.

Components:

Phosphoric acid

7664-38-2:

Species : Rabbit
Result : Corrosive

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

68411-30-3:

Species : Rabbit
Method : OECD Test Guideline 405
Result : Risk of serious damage to eyes.

Respiratory or skin sensitisation

Product:

Remarks : No data available

Components:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

68411-30-3:

Test Type : Maximisation Test
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Did not cause sensitisation on laboratory animals.

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.



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STOT - repeated exposure

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

Components:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

68411-30-3:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

Phosphoric acid

7664-38-2:

Species : Rat
NOAEL : 250 mg/kg
Application Route : Oral
Method : OECD 422

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

68411-30-3:

Species : Rat
NOAEL : 125 mg/kg
LOAEL : 250 mg/kg
Application Route : Oral
Exposure time : 28 d
Target Organs : Blood, Liver, Heart
Symptoms : Diarrhoea

Species : Rat
NOAEL : 40 mg/kg
LOAEL : 115 mg/kg
Application Route : Oral
Exposure time : 180 d
Target Organs : Blood, Kidney
Symptoms : Diarrhoea

Species : Rat
NOAEL : 85 mg/kg
LOAEL : 145 mg/kg
Application Route : Oral
Exposure time : 270 d
Target Organs : Blood

Aspiration toxicity : Not Rated

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:

orthophosphoric acid

7664-38-2:

- Toxicity to fish : LC0 (Gambusia affinis (Mosquito fish)): 138 mg/l
Exposure time: 96 h
- LC50 (Lepomis macrochirus (Bluegill sunfish)): 3 - 3,25 mg/l
Exposure time: 96 h
- LC50 (Lepomis macrochirus (Bluegill sunfish)): 98 - 106 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 100 - 1.000 mg/l
Exposure time: 96 h
- EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
- NOEC (Desmodesmus subspicatus (green algae)): 100 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
- Toxicity to microorganisms : EC50 (activated sludge): 270 mg/l
- EC50 (activated sludge): > 1.000 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Alcohols, C13-15, branched and linear, ethoxylated, Alcohols, C13-15-branched and linear, ethoxylated (11 EO), Alcohols, C13-15-branched and linear, ethoxylated

157627-86-6:

- Toxicity to fish : LC50 (Brachydanio rerio): 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 algae/aquatic plants : EC50 (Scenedesmus subspicatus): 1 - 10 mg/l
Exposure time: 72 h
- Toxicity to microorganisms : EC10 (activated sludge): > 1.000 mg/l
- Toxicity to fish (Chronic toxicity) : NOEC: 0,1 - 1 mg/l
Species: Fish



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Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

68411-30-3:

- Toxicity to fish : LC50 (Fish): 1,67 mg/l
Exposure time: 96 h
Method: OPPTS 850.1500
- NOEC (Pimephales promelas (fathead minnow)): 0,63 mg/l
Exposure time: 196 d
- NOEC (Oncorhynchus mykiss (rainbow trout)): 0,23 mg/l
Exposure time: 72 d
- Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)): 2,4 mg/l
Exposure time: 48 h
Method: Directive 67/548/EEC, Annex V, C.2.
- NOEC (Daphnia (water flea)): > 1,41 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211
- EC50 (Daphnia magna (Water flea)): 2,9 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EbC50 (Pseudokirchneriella subcapitata (green algae)): 47,3 mg/l
Exposure time: 72 h
- (Chlorella vulgaris (Fresh water algae)): 3,1 mg/l
Exposure time: 15 d
Test Type: static test
- EC50 (Pseudokirchneriella subcapitata (green algae)): 29 mg/l
Exposure time: 96 h
- Toxicity to microorganisms : EC50 (Bacteria): 550 mg/l
Exposure time: 3 h
Test Type: Respiration inhibition
Method: OECD Test Guideline 209
- Toxicity to fish (Chronic toxicity) : > 0,1 - 1 mg/l
Exposure time: 28 d
Species: Lepomis macrochirus (Bluegill sunfish)
- NOEC: 0,268 mg/l
Exposure time: 96 d
Species: Fish
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 1 - 10 mg/l
- NOEC: 2,9 mg/l
Exposure time: 32 d
- Plant toxicity : NOEC: 100 mg/kg
Species: Sorghum bicolor (sorghum)
Method: OECD 208



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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:

orthophosphoric acid

7664-38-2:

Biodegradability : Remarks: The methods for determining the biological degradability are not applicable to inorganic substances.

Alcohols, C13-15, branched and linear, ethoxylated, Alcohols, C13-15-branched and linear, ethoxylated (11 EO), Alcohols, C13-15-branched and linear, ethoxylated

157627-86-6:

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

Biochemical Oxygen Demand (BOD) : 390 mg/g

Chemical Oxygen Demand (COD) : 2.060 mg/g

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

68411-30-3:

Biodegradability : Test Type: aerobic
Result: rapidly biodegradable
Exposure time: 28 d
Kinetic:
: > 60 %
Method: OECD 301 B
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 available to them, at their direct request or at the request of a detergent manufacturer.

Result: Readily biodegradable.

Exposure time: 28 d

Kinetic:

: 85 %

Method: OECD 301 B

Result: Readily biodegradable.

Exposure time: 122 d

Kinetic:

: 70 - 99 %



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12.3 Bioaccumulative potential

Components:

orthophosphoric acid

7664-38-2:

Partition coefficient: n-
octanol/water : log Pow: -0,77

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

68411-30-3:

Bioaccumulation : Species: Pimephales promelas (fathead minnow)
Exposure time: 192 h
Method: see user defined free text
Remarks: Does not significantly accumulate in organisms.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Components:

orthophosphoric acid

7664-38-2:

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).

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 : 1760
IMDG : 1760
IATA : 1760



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14.2 UN proper shipping name

ADR : CORROSIVE LIQUID, N.O.S.
(phosphoric acid)

IMDG : CORROSIVE LIQUID, N.O.S.
(Phosphoric acid)

IATA : Corrosive liquid, n.o.s.

14.3 Transport hazard class(es)

ADR : 8

IMDG : 8

IATA : 8

14.4 Packing group

ADR

Classification Code : C9

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, n.o.s.

Packaging group : III

Labels : 8

14.5 Environmental hazards

ADR

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



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REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures 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: 0,88 %
: 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: 0,02 %

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

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.
H314 : Causes severe skin burns and eye damage.
H315 : Causes skin irritation.
H318 : Causes serious eye damage.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Aquatic Chronic : Long-term (chronic) aquatic hazard
Eye Dam. : Serious eye damage
Met. Corr. : Corrosive to metals
Skin Corr. : Skin corrosion
Skin Irrit. : Skin irritation
2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
2000/39/EC / TWA : Limit Value - eight hours
2000/39/EC / STEL : Short term exposure limit

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Tana-Chemie GmbH
Werner & Mertz Group

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- 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:

Eye Irrit. 2	H319
Skin Irrit. 2	H315
Met. Corr. 1	H290

Classification procedure:

On basis of test data.
Calculation method
On basis of test data.

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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