

TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

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

1.1 Product identifier

Trade name : TANET UNIVERSAL 2X5 L
UFI :

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 : +4961319642526
E-mail address : Produktsicherheit@werner-mertz.com
Responsible/issuing person
Contact person : Product development / product safety

1.4 Emergency telephone

EU: 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Safety data sheet available on request.

2.3 Other hazards

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

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

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

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.

TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
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 %	>= 1 - < 3
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3 500-234-8 01-2119488639-16	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412 specific concentration limit Eye Irrit. 2; H319 5 - < 10 % Eye Dam. 1; H318 >= 10,0 %	>= 1 - < 2,5

SECTION 4: First aid measures

4.1 Description of first-aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
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.
- 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 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.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.

TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

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 fire fighting : 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 fire-fighters : 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.

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up and shovel.
Wipe up with absorbent material (e.g. cloth, fleece).
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

TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

- Advice on safe handling : For personal protection see section 8.
No special handling advice required.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.
- Advice on common storage : No special restrictions on storage with other products.
- Further information on storage stability : No decomposition if stored and applied as directed.
Protect from frost.

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.

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

Substance name	End Use	Routes of exposure	Potential health effects	Value
D-Glucopyranose, oligomers, decyl octyl glycosides	Workers	Skin contact	Long-term systemic effects	595000 mg/kg
	Workers	Inhalation	Long-term systemic effects	420 mg/m3
	Consumers	Skin contact	Long-term systemic effects	357000 mg/kg
	Consumers	Inhalation	Long-term systemic effects	124 mg/m3
	Consumers	Ingestion	Long-term systemic effects	35,7 mg/kg
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Workers	Inhalation	Long-term systemic effects	175 mg/m3
	Consumers	Inhalation	Long-term systemic effects	52 mg/m3
	Consumers	Ingestion	Long-term systemic	15 mg/kg

TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

			effects	bw/day
	Consumers	Skin contact	Long-term local effects	0,079 mg/cm ²
	Workers	Skin contact	Long-term systemic effects	5830 mg/kg bw/day
	Consumers	Skin contact		2500 mg/kg bw/day

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

Substance name	Environmental Compartment	Value
D-Glucopyranose, oligomers, decyl octyl glycosides	Fresh water	0,176 mg/l
	Sea water	0,0176 mg/l
	intermittent release	0,27 mg/l
	STP	560 mg/l
	Fresh water sediment	1,516 mg/kg
	Sea sediment	0,152 mg/kg
	Soil	0,654 mg/kg
	Oral (Secondary Poisoning)	111,11 mg/kg
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Fresh water	0,129 mg/l
	Sea water	0,024 mg/l
	Fresh water sediment	4,835 mg/kg dry weight (d.w.)
	Sea sediment	0,4835 mg/kg dry weight (d.w.)
	Soil	7,5 mg/kg dry weight (d.w.)
	STP	10000 mg/l
	intermittent release	0,071 mg/l

8.2 Exposure controls

Personal protective equipment

Eye/face protection : not required under normal use

TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

Hand protection

Material : not required under normal use

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 under normal use

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: liquid
Color	: yellow
Odor	: pleasant
Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available
Flammability (solid, gas)	: No data available
Flammability (liquids)	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Flash point	: does not flash
Ignition temperature	: No data available

TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

Decomposition temperature	: No data available
pH	: ca. 9,4, 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
Vapor pressure	: No data available
Density	: ca. 1,011 g/cm ³ at 20 °C
Relative density	: No data available
Relative vapor density	: No data available
Particle characteristics	: 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 : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : Protect from frost.

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No hazardous decomposition products are known.
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.

SAFETY DATA SHEET

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



TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

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

Not classified due to lack of data.

Acute toxicity : Not Rated

Components:

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

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Acute oral toxicity : LD50 (Rat): 2.000 - 5.000 mg/kg
Method: OECD Test Guideline 401

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

Skin corrosion/irritation

Not classified due to lack of data.

Product:

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

Components:

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Mild skin irritation

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Species : Rabbit
Assessment : Irritating to skin.
Method : OECD Test Guideline 404

Serious eye damage/eye irritation

Not classified due to lack of data.

SAFETY DATA SHEET

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



TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

Product:

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

Components:

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

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

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

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

Respiratory or skin sensitization

Skin sensitization

Not classified due to lack of data.

Respiratory sensitization

Not classified due to lack of data.

Product:

Remarks : No data available

Components:

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Does not cause skin sensitization.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Routes of exposure	:	Dermal
Species	:	Guinea pig
Result	:	Does not cause skin sensitization.

Germ cell mutagenicity

Not classified due to lack of data.

Germ cell mutagenicity : Not Rated

Components:

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

Genotoxicity in vitro	:	Test Type: Ames test Method: OECD Test Guideline 471
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TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

Result: negative

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Genotoxicity in vitro : Method: OECD Test Guideline 471
Result: negative

Carcinogenicity

Not classified due to lack of data.

Carcinogenicity : Not Rated

Reproductive toxicity

Not classified due to lack of data.

Reproductive toxicity : Not Rated

STOT-single exposure

Not classified due to lack of data.

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

STOT-repeated exposure

Not classified due to lack of data.

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

Aspiration toxicity

Not classified due to lack of data.

Aspiration toxicity : Not Rated

11.2 Information on other hazards

Endocrine disrupting properties

Product:

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.

Further information

Product:

Remarks : No data available

SAFETY DATA SHEET

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



TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

SECTION 12: Ecological information

12.1 Toxicity

Components:

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

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 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

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Toxicity to fish	:	LC50 (Danio rerio (zebra fish)): 7,1 mg/l Exposure time: 96 h Test Type: flow-through test Method: OECD Test Guideline 203 GLP: yes LC50 (Fish): > 1 - 10 mg/l Test Type: flow-through test Method: OECD Test Guideline 203 LC50 (Leuciscus idus (Golden orfe)): 10 - 100 mg/l Method: OECD Test Guideline 203 NOEC (Oncorhynchus mykiss (rainbow trout)): 0,14 mg/l Exposure time: 28 d Test Type: flow-through test Method: OECD Test Guideline 204 LC50 (Brachydanio rerio (zebrafish)): 1 - 10 mg/l Exposure time: 96 h Test Type: flow-through test Method: OECD Test Guideline 203 LC50 (Brachydanio rerio (zebrafish)): 7,1 mg/l Exposure time: 96 h NOEC (Fish): 0,1 - 1 mg/l Exposure time: 28 Days
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia pulex (Water flea)): 7,4 mg/l Exposure time: 48 h Test Type: Immobilization Method: OECD Test Guideline 202 EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l Exposure time: 48 h

SAFETY DATA SHEET

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



TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

	Test Type: static test Method: OECD Test Guideline 202
	NOEC (Daphnia magna (Water flea)): 0,27 mg/l Exposure time: 21 d Test Type: flow-through test Method: OECD Test Guideline 211
	EC50 (Daphnia): 1 - 10 mg/l Exposure time: 48 h
	NOEC (Daphnia): 0,1 - 1 mg/l Exposure time: 21 Days
Toxicity to algae/aquatic plants	: EC50 (Desmodesmus subspicatus (green algae)): 27,7 mg/l Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201 GLP: yes
	EC50 (Desmodesmus subspicatus (green algae)): > 10 - 100 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201
	NOEC : 0,95 mg/l Test Type: Growth inhibition Method: OECD Test Guideline 201
	NOEC (Desmodesmus subspicatus (green algae)): 0,93 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201
	EC50 (algae): 27,7 mg/l Exposure time: 72 h Test Type: Growth inhibition
	NOEC (algae): 0,93 mg/l Exposure time: 72 h
	EC50 (algae): 10 - 100 mg/l Exposure time: 72 h
	NOEC (algae): 0,1 - 1 mg/l Exposure time: 72 h
Toxicity to microorganisms	: EC50 (Pseudomonas putida): > 10 g/l Exposure time: 16 h Test Type: Cell multiplication inhibition test Method: DIN 38412 GLP: yes
	EC10 (Pseudomonas putida): > 10 g/l Exposure time: 16 h Test Type: Cell multiplication inhibition test
Toxicity to fish (Chronic toxicity)	: NOEC: 1 - 10 mg/l Species: Leuciscus idus (Golden orfe)
	NOEC: 0,14 mg/l

SAFETY DATA SHEET

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



TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

	Exposure time: 28 d Species: Oncorhynchus mykiss (rainbow trout) Method: OECD Test Guideline 204
	NOEC: 0,2 mg/l Exposure time: 28 d Species: Fish
	NOEC: > 0,1 - 1 mg/l Exposure time: 28 d Species: Oncorhynchus mykiss (rainbow trout) Method: OECD Test Guideline 204
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: > 0,1 - 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211
	EC50: 0,37 mg/l Exposure time: 21 d
	0,74 mg/l Exposure time: 21 d
	NOEC: 0,27 mg/l Exposure time: 21 d
Toxicity to soil dwelling organisms	: NOEC: 750 mg/kg Exposure time: 56 d Species: Eisenia fetida (earthworms) Method: OECD Test Guideline 222 Remarks: Information taken from reference works and the literature.

12.2 Persistence and degradability

Components:

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

Biodegradability	: Result: rapidly biodegradable Biodegradation: 100 % Exposure time: 28 d Method: OECD 301 E
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Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Biodegradability	: Test Type: aerobic Result: rapidly biodegradable Biodegradation: > 70 % Exposure time: 28 d Method: OECD 301 A
	Test Type: anaerobic Result: Biodegradable Biodegradation: > 60 % Exposure time: 41 d Method: OECD 301 D
	Result: Readily biodegradable. Biodegradation: 93 %

TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

	Exposure time: 28 d
Biochemical Oxygen Demand (BOD)	: 285 mg/g Incubation time: 5 d
Chemical Oxygen Demand (COD)	: 518 mg/g

12.3 Bioaccumulative potential

Components:

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

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

Components:

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Assessment : Not very persistent and very bioaccumulative (vPvB).. Not persistent, bioaccumulative, and toxic (PBT).

12.6 Endocrine disrupting properties

Product:

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	: In accordance with local and national regulations.
Contaminated packaging	: Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

Waste Code

European Waste Catalog

20 01 29*

According to the European Waste Catalog, 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

RID

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

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.5 Environmental hazards

ADR

Not dangerous goods

RID

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.

SAFETY DATA SHEET

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



TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	: 77-92-9 1310-73-2 5392-40-5 See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of restriction
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	: Not applicable
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	: Not applicable
TA Luft List (Germany)	: Total dust: Not applicable : Inorganic substances in powdered form: Not applicable : Inorganic substances in gaseous form: Not applicable : Carcinogenic substance: Not applicable : Quartz fine dust PM4: Not applicable : Formaldehyde: Not applicable : fibers: Not applicable : Germ cell mutagens: Not applicable : Substances toxic to reproduction: : < 0,01 % : Poorly degradable, easily enrichable and highly toxic organic substances: Not applicable : Organic Substances: : portionClass 1: 0,35 %
Volatile organic compounds (VOC) content	: Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control) Update: Percent volatile: < 0,01 %
according to Detergents Regulation EC 648/2004	: <5% anionic surfactants, non-ionic surfactants, perfumes

15.2 Chemical Safety Assessment

SECTION 16: Other information

Full text of H-Statements

H315	: Causes skin irritation.
H318	: Causes serious eye damage.
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
Skin Irrit.	: Skin irritation

SAFETY DATA SHEET

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



TANET UNIVERSAL 2X5 L

WM 0716094

Order number: 0716094

Version 2.0

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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 Standardization; 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 Organization 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, Authorization 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:

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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