



TANET NEUTRAL 10 X 1 LITER

WM 0712555

Order number: 0712555

Version 1.12

Revision Date 30.09.2016

Print Date 22.11.2016

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

1.1 Product identifier

Trade name : TANET NEUTRAL 10 X 1 LITER
Identification number : 61296

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

Use of the Substance/Mixture : Cleaning agent

1.3 Details of the supplier of the safety data sheet

Company : Erdal-Rex GmbH
Rheinallee 96
55120 Mainz
Telephone : +49613196402
Telefax : +4961319642413
E-mail address : Produktsicherheit@werner-mertz.com
Responsible/issuing person
Contact person : Product development / product safety

1.4 Emergency telephone number

+49(0)6131-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

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.
No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Aqueous surfactant solution.

Hazardous components

| Chemical name | CAS-No. EC-No. Registration number | Classification (REGULATION (EC) No 1272/2008) | Concentration (%) |
|---|--|---|-------------------|
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 01-2119488639-16 | Skin Irrit.2; H315 Eye Dam.1; H318 Aquatic Chronic3; H412 | >= 5 - < 10 |

For explanation of abbreviations see section 16.



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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.
- 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 :

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



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

6.3 Methods and materials 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

Advice on safe handling : For personal protection see section 8. No special handling advice required. 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 : 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.

Other data : 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



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Contains no substances with occupational exposure limit values.

DNEL

Alcohols, C12-14, ethoxylated, sulfates, sodium salts : End Use: Workers
68891-38-3: Exposure routes: Skin contact
Potential health effects: Long-term systemic effects

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 175 mg/m³

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 52 mg/m³

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term local effects
Value: 0,132 mg/cm²

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term local effects
Value: 0,079 mg/cm²

PNEC

Alcohols, C12-14, ethoxylated, sulfates, sodium salts : Fresh water
68891-38-3: Value: 0,24 mg/l

Marine water
Value: 0,024 mg/l

Fresh water sediment
Value: 0,9168 mg/kg

Marine sediment
Value: 0,09168 mg/kg

Soil
Value: 7,5 mg/kg

STP
Value: 10000 mg/kg



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intermittent release
Value: 0,071 mg/l

8.2 Exposure controls

Personal protective equipment

Eye protection : not required under normal use

Hand protection

Material : not required under normal use

For prolonged or repeated contact use protective gloves.
Chemical resistant gloves made of butyl rubber or nitrile rubber
category III according to EN 374 (0,4 mm).

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

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 : light green

Odour : characteristic

Odour Threshold : No data available

pH : ca. 7,0

Melting point/range : No data available

Boiling point/boiling range : No data available

Flash point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Burning rate : No data available

Lower explosion limit : No data available



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| | |
|--|---------------------------|
| Upper explosion limit | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density | : No data available |
| Relative density | : No data available |
| Density | : 1,035 g/cm ³ |
| 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 | : 4.200 mPa.s |
| 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 : 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

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



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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product

- Skin corrosion/irritation : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.
- Serious eye damage/eye irritation : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.
- Respiratory or skin sensitisation : No data available
- Further information : No data available

Components:

Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3:

- Acute oral toxicity : LD50 Oral Rat: 4.100 mg/kg
Method: OECD Test Guideline 401
GLP: no
- LD50 Oral Rat: 2.000 - 5.000 mg/kg
Method: OECD Test Guideline 401
Test substance: see user defined free text
- LD50 Oral Rat: > 5.000 mg/kg
Method: OECD Test Guideline 401
Test substance: see user defined free text
- Acute dermal toxicity : LD50 Rat: > 2.000 mg/kg
Method: OECD Test Guideline 402
GLP: yes
- Skin corrosion/irritation : Species: Rabbit
Method: OECD Test Guideline 404
- Serious eye damage/eye irritation : Species: Rabbit
Method: OECD Test Guideline 405
Test substance: see user defined free text
- Species: Rabbit
Method: OECD Test Guideline 405
Test substance: see user defined free text
- Respiratory or skin sensitisation : Test Method: Maximisation Test
Species: Guinea pig
Result: Did not cause sensitisation on laboratory animals.
Method: OECD Test Guideline 406



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- Germ cell mutagenicity
- Genotoxicity in vitro : Result: negative
Method: OECD Test Guideline 471
- Reproductive toxicity : Species: Rat
Application Route: Oral
NOAEL: > 300 mg/kg,
F1: > 300 mg/kg, Method: OECD Test Guideline 416
- Teratogenicity : Species: Rat
Application Route: Oral
>1.000 mg/kg
> 1.000 mg/kg
Method: see user defined free text
- Repeated dose toxicity : Rat: NOAEL: > 225 mg/kg

Application Route: Oral
Exposure time: 90 Days
Method: see user defined free text
Target Organs: Liver
- STOT - repeated exposure : Exposure routes: Ingestion
Target Organs: Liver

SECTION 12: Ecological information

12.1 Toxicity

Components:

**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: semi-static test
Method: OECD Test Guideline 203

LC50 (Leuciscus idus (Golden orfe)): 10 - 100 mg/l
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia pulex (Water flea)): 7,4 mg/l

EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l
Exposure time: 48 h
Test Type: static test



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- Method: OECD Test Guideline 202
- Toxicity to algae : 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 (*Scenedesmus subspicatus*): 10 - 100 mg/l
Method: OECD Test Guideline 201
- 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
- Toxicity to bacteria : 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
Test Type: Cell multiplication inhibition test
GLP:
- Toxicity to fish (Chronic toxicity) : NOEC: 1,2 mg/l
- NOEC: 1 - 10 mg/l
Species: *Leuciscus idus* (Golden orfe)
- 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

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:

**Alcohols, C12-14, ethoxylated, sulfates, sodium salts
68891-38-3:**

- Biodegradability : Result: rapidly biodegradable
Biodegradation: > 70 %
Exposure time: 28 d
Method: OECD 301 A



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12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

Components:

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

68891-38-3:

Distribution among environmental compartments : Adsorption/Soil
Medium:Soil
Koc: 191Method: see user defined free text

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 : 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 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 : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 Proper shipping name

Not regulated as a dangerous good



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14.3 Transport hazard class

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

Not regulated as a dangerous good

IATA

Not dangerous goods

14.6 Special precautions for user

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

- : 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.
TA Luft List (Germany) : Total dust: Not applicable
: Inorganic substances in powdered form: Not applicable
: Inorganic substances in vapour or gaseous form: : portionClass 3: 4,01 %
: Organic Substances: : portionClass 1: < 0,01 %
: Carcinogenic substances: Not applicable
: Mutagenic: Not applicable
: Toxic to reproduction: Not applicable
- Volatile organic compounds : Directive 1999/13/EC
Volatile organic compounds (VOC) content: < 0,01 %, 0,01 g/l

Directive 1999/13/EC
Volatile organic compounds (VOC) content: < 0,01 %, 0 g/l
- according to Detergents : 5 - <15% Anionic surfactants, <5% Amphoteric surfactants,



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Regulation EC 648/2004

Perfumes, METHYLISOTHIAZOLINONE, BENZISOTHIAZOLINONE

Diğer kurallar

: 26 Aralık 2008 tarihli,27092 mükerrer sayılı," T.C. Çevre ve Orman Bakanlığı Tehlikeli Maddeler ve Müstahzarlara İlişkin Güvenlik Bilgi Formlarının Hazırlanması ve Dağıtılması Hakkında Yönetmeliği " ne uygun düzenlenmiştir.
26 Aralık 2008 27092 (mükerrer) sayılı Tehlikeli Maddelerin ve Müstahzarların Sınıflandırılması Ambalajlanması ve Etiketlenmesi Hakkında Yönetmelik hükümlerine göre hazırlanmıştır.

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.

Further information

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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