

TICKOPUR R 33

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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UFI: A910-S041-400N-REGK

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Cleaning agent. Universal cleaner, with corrosion protection, for the ultrasonic bath, concentrate.
Restricted to professional users.

1.3. Details of the supplier of the safety data sheet

Company name: DR.H.STAMM GmbH Chemische Fabrik
Street: Heinrichstr. 3 – 4
Place: D-12207 Berlin, GERMANY
Telephone: +49 30 76880-280
E-mail: info@dr-stamm.de
Internet: www.dr-stamm.de
Responsible Department: sdb@dr-stamm.de, Tel.: +49 30 76880-258

1.4. Emergency telephone number:

24-hours-emergency: Giftnotruf Berlin: +49 30 30686700 (german, english)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

Skin Irrit. 2; H315
Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

Phosphoric acid ester, sodium-salt
Disodium metasilicate pentahydrat

Signal word: Danger**Pictograms:****Hazard statements**

H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing and eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

The mixture does not contain substances $\geq 0.1\%$ of substances that have endocrine disrupting properties according to Regulation (EC) No. 1907/2006, Article 59(1) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

| CAS No | Chemical name | | | Quantity |
|--------------|---|----------|------------------|----------|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 7732-18-5 | Water | | | 70-80 % |
| | 231-791-2 | | | |
| 7320-34-5 | Tetrapotassium pyrophosphate | | | <9,0 % |
| | 230-785-7 | | 01-2119489369-18 | |
| | Eye Irrit. 2; H319 | | | |
| 111798-26-6 | Phosphoric acid ester, sodium-salt | | | <8,0 % |
| | - | | * | |
| | Skin Irrit. 2, Eye Dam. 1; H315 H318 | | | |
| 51981-21-6 | N,N-bis(carboxylatomethyl)-L-glutamate, Sodium salt | | | <6,0 % |
| | 257-573-7 | | 01-2119493601-38 | |
| | Met. Corr. 1; H290 | | | |
| 10213-79-3 | Disodium metasilicate pentahydrat | | | <4,0 % |
| | 229-912-9 | | 01-2119449811-37 | |
| | Met. Corr. 1, Skin Corr. 1B, Eye Dam. 1, STOT SE 3; H290 H314 H318 H335 | | | |
| 1471314-81-4 | Amides, C12-18 (even numbered), N-[3-(dimethylamino) propyl], N'-oxides | | | <1,0 % |
| | 939-581-9 | | 01-2119978229-22 | |
| | Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 3; H302 H315 H318 H400 H412 | | | |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|--------------|-----------|---|----------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 7320-34-5 | 230-785-7 | Tetrapotassium pyrophosphate | <9,0 % |
| | | dermal: LD50 = 7940 mg/kg; oral: LD50 = >2000 mg/kg | |
| 111798-26-6 | - | Phosphoric acid ester, sodium-salt | <8,0 % |
| | | oral: LD50 = >2000 mg/kg | |
| 51981-21-6 | 257-573-7 | N,N-bis(carboxylatomethyl)-L-glutamate, Sodium salt | <6,0 % |
| | | oral: LD50 = >5000 mg/kg | |
| 10213-79-3 | 229-912-9 | Disodium metasilicate pentahydrat | <4,0 % |
| | | dermal: LD50 = >5000 mg/kg; oral: LD50 = 1349 mg/kg | |
| 1471314-81-4 | 939-581-9 | Amides, C12-18 (even numbered), N-[3-(dimethylamino) propyl], N'-oxides | <1,0 % |
| | | dermal: LD50 = >2000 mg/kg; oral: LD50 = 1000 mg/kg | |

Labelling for contents according to Regulation (EC) No 648/2004

5 % - < 15 % phosphates, 5 % - < 15 % anionic surfactants, < 5 % non-ionic surfactants.

Further Information

*Polymer

SECTION 4: First aid measures

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4.1. Description of first aid measures**General information**

Change contaminated clothing.

After inhalation

In case of inhaling spray mist, consult a physician.

After contact with skin

After contact with skin, wash immediately with plenty of Water and soap.

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink large quantities of water. Do NOT induce vomiting. Consult physician.

4.2. Most important symptoms and effects, both acute and delayed

No known symptoms to date.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water. Foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Nitrogen oxides (NOx). Carbon dioxide (CO2).

5.3. Advice for firefighters

Protective clothing.

Additional information

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up**Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

No special technical protective measures are necessary.

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Advice on protection against fire and explosion

The product is not: Oxidizing. Flammable. explosive.

Advice on general occupational hygiene

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Store only in original container. Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

Cleaning agent.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****DNEL/DMEL values**

| CAS No | Substance | | | |
|--------------------------|---|----------------|----------|------------------------|
| DNEL type | | Exposure route | Effect | Value |
| 7320-34-5 | Tetrapotassium pyrophosphate | | | |
| Worker DNEL, long-term | | inhalation | systemic | 2,79 mg/m ³ |
| Consumer DNEL, long-term | | inhalation | systemic | 0,68 mg/m ³ |
| Consumer DNEL, long-term | | oral | systemic | 70 mg/kg bw/day |
| 10213-79-3 | Disodium metasilicate pentahydrat | | | |
| Consumer DNEL, long-term | | oral | systemic | 0,74 mg/kg bw/day |
| Worker DNEL, long-term | | dermal | systemic | 1,49 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 1,55 mg/m ³ |
| Worker DNEL, long-term | | inhalation | systemic | 6,22 mg/m ³ |
| 1471314-81-4 | Amides, C12-18 (even numbered), N-[3-(dimethylamino) propyl], N'-oxides | | | |
| Worker DNEL, long-term | | inhalation | systemic | 3,52 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 5,0 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 0,87 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 2,5 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 0,05 mg/kg bw/day |

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PNEC values

| CAS No | Substance | |
|--|---|----------------|
| Environmental compartment | | Value |
| 7320-34-5 | Tetrapotassium pyrophosphate | |
| Freshwater | | 0,05 mg/l |
| Marine water | | 0,005 mg/l |
| 10213-79-3 | Disodium metasilicate pentahydrat | |
| Freshwater | | 7,5 mg/l |
| Marine water | | 1 mg/l |
| Micro-organisms in sewage treatment plants (STP) | | 1000 mg/l |
| 1471314-81-4 | Amides, C12-18 (even numbered), N-[3-(dimethylamino) propyl], N'-oxides | |
| Freshwater | | 0,0303 mg/l |
| Marine water | | 0,00303 mg/l |
| Freshwater sediment | | 0,214 mg/kg |
| Marine sediment | | 0,0214 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 9,7 mg/l |
| Soil | | 0,000025 mg/kg |

8.2. Exposure controls**Appropriate engineering controls**

Refer to chapter 7. No further action is necessary.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Wear eye/face protection.

Hand protection

Suitable material:

PE (polyethylene). Layer thickness: 0,5 mm penetration time (maximum wearing period): >=8h

CR (polychloroprenes, Chloroprene rubber). 0,5 mm penetration time (maximum wearing period): >=8h

NBR (Nitrile rubber). 0,35 mm penetration time (maximum wearing period): >=8h

Butyl rubber. FKM (Fluoroelastomer (Viton)). 0,5 mm penetration time (maximum wearing period): >=8h

Breakthrough times and swelling properties of the material must be taken into consideration.

Recommended protective gloves brand: Camapren 722, Manufacturer: KCL, Or comparable articles from other companies.

Skin protection

Body protection: not required.

Respiratory protection

Respiratory protection not required.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|------------------|---------------------------|
| Physical state: | liquid |
| Colour: | colourless - light yellow |
| Odour: | characteristic |
| Odour threshold: | not determined |

Melting point/freezing point:

Test method
 -6 °C

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| | |
|---|-----------------------------------|
| Boiling point or initial boiling point and boiling range: | >100 °C |
| Flammability: | non-flammable |
| Lower explosion limits: | not applicable |
| Upper explosion limits: | not applicable |
| Flash point: | No flash point up to 100 °C. |
| Auto-ignition temperature: | not determined |
| Decomposition temperature: | not determined |
| pH-Value (at 20 °C): | 13,2 (conc.) 11,1 (1 %) DIN 51369 |
| Viscosity / kinematic: | not determined |
| Water solubility: | complete miscible |
| Dissolution rate: | not determined |
| Partition coefficient n-octanol/water: | not determined |
| Dispersion stability: | not determined |
| Vapour pressure: | not determined |
| Vapour pressure: | not determined |
| Density (at 20 °C): | 1,13 g/cm ³ DIN 12791 |
| Relative vapour density: | not determined |

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

not Explosive.

Oxidizing properties

not oxidizing.

SECTION 10: Stability and reactivity

10.1. Reactivity

Exothermic reactions with: acid, concentrated.

10.2. Chemical stability

The product is chemically stable under normal ambient conditions.

10.3. Possibility of hazardous reactions

None, in case of proper use.

10.4. Conditions to avoid

Thermal decomposition can lead to the escape of irritating gases and vapors.

10.5. Incompatible materials

acid, concentrated.

10.6. Hazardous decomposition products

None, in case of proper use.

Further information

Do not mix with other products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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| CAS No | Chemical name | | | | |
|--------------|---|------------------|---------|--------|--------------------|
| | Exposure route | Dose | Species | Source | Method |
| 7320-34-5 | Tetrapotassium pyrophosphate | | | | |
| | oral | LD50 >2000 mg/kg | mouse | | |
| | dermal | LD50 7940 mg/kg | rabbit | | |
| 111798-26-6 | Phosphoric acid ester, sodium-salt | | | | |
| | oral | LD50 >2000 mg/kg | Ratte | | |
| 51981-21-6 | N,N-bis(carboxylatomethyl)-L-glutamate, Sodium salt | | | | |
| | oral | LD50 >5000 mg/kg | rat | | Calculated |
| 10213-79-3 | Disodium metasilicate pentahydrat | | | | |
| | oral | LD50 1349 mg/kg | rat | | |
| | dermal | LD50 >5000 mg/kg | rat | | EPA OPPTS 870.1200 |
| 1471314-81-4 | Amides, C12-18 (even numbered), N-[3-(dimethylamino) propyl], N'-oxides | | | | |
| | oral | LD50 1000 mg/kg | rat | | |
| | dermal | LD50 >2000 mg/kg | | | |

Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye damage.

Risk of serious damage to eyes. OECD 438

Irritant effect on the skin: irritant. Expert judgement and weight of evidence determination. By analogy.

Sensitising effects

Based on available data, the classification criteria are not met.

no danger of sensitization.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards**Other information**

The mixture does not contain substances $\geq 0.1\%$ of substances that have endocrine disrupting properties according to Regulation (EC) No. 1907/2006, Article 59(1) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

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SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met.

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge. due to the alkaline character of the product, usually, it has to be neutralized before contaminated effluents are introduced into the waste water treatment system.

| CAS No | Chemical name | | | | | |
|--------------|---|-------------------|-----------|---------------------------------|----------|------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 7320-34-5 | Tetrapotassium pyrophosphate | | | | | |
| | Acute fish toxicity | LC50 >100 mg/l | 96 h | Oncorhynchus mykiss | | OECD 203 |
| | Acute crustacea toxicity | EC50 >100 mg/l | 48 h | Daphnia magna | | EPA OTS 979.1300 |
| | Fish toxicity | NOEC 100 mg/l | 4 d | Oncorhynchus mykiss | | OECD 203 |
| | Algae toxicity | NOEC 1000 mg/l | 3 d | desmodesmus subspicatus | | |
| | Crustacea toxicity | NOEC 100 mg/l | 2 d | Daphnia magna | | EPA OTS 979.1300 |
| 111798-26-6 | Phosphoric acid ester, sodium-salt | | | | | |
| | Acute fish toxicity | LC50 260 mg/l | 96 h | Leuciscus idus | | DIN 38412/15 |
| | Acute crustacea toxicity | EC50 267 mg/l | 48 h | Daphnia magna | | DIN 38412/11 |
| 51981-21-6 | N,N-bis(carboxylatomethyl)-L-glutamate, Sodium salt | | | | | |
| | Acute fish toxicity | LC50 >100 mg/l | 96 h | Oncorhynchus mykiss | | OECD 203 |
| | Acute algae toxicity | ErC50 >100 mg/l | 72 h | Desmodesmus subspicatus | OECD 201 | |
| | Acute crustacea toxicity | EC50 >100 mg/l | 48 h | Daphnien | | OECD 202 |
| 10213-79-3 | Disodium metasilicate pentahydrat | | | | | |
| | Acute fish toxicity | LC50 210 mg/l | 96 h | Danio rerio | | ISO 7346/1 |
| | Acute algae toxicity | ErC50 >345,4 mg/l | 72 h | Scenedesmus subspicatus | | DIN 38412 |
| | Acute crustacea toxicity | EC50 1700 mg/l | 48 h | Daphnia magna | | |
| 1471314-81-4 | Amides, C12-18 (even numbered), N-[3-(dimethylamino) propyl], N'-oxides | | | | | |
| | Acute fish toxicity | LC50 0,68 mg/l | 96 h | Oncorhynchus mykiss | | OECD 203 |
| | Acute algae toxicity | ErC50 0,705 mg/l | 72 h | Pseudokirchneriella subcapitata | | OECD 201 |
| | Acute crustacea toxicity | EC50 19,9 mg/l | 48 h | Daphnia magna | | OECD 202 |

12.2. Persistence and degradability

The surfactants contained in this preparation 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.

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| CAS No | Chemical name | | | |
|--------------|---|-------|----|--------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 111798-26-6 | Phosphoric acid ester, sodium-salt | | | |
| | OECD 301A | 62 % | 28 | |
| | leicht biologisch abbaubar | | | |
| 51981-21-6 | N,N-bis(carboxylatomethyl)-L-glutamate, Sodium salt | | | |
| | OECD 301D | 76 % | 28 | |
| 1471314-81-4 | Amides, C12-18 (even numbered), N-[3-(dimethylamino) propyl], N'-oxides | | | |
| | OECD 301 B | 68 % | 28 | |

12.3. Bioaccumulative potential

On the basis of existing data about disposal/decomposition and bio-accumulation potential, long term environmental damage is unlikely.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|------------|---|---------|
| 51981-21-6 | N,N-bis(carboxylatomethyl)-L-glutamate, Sodium salt | -11,95 |

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

List of Wastes Code - residues/unused products

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

List of Wastes Code - used product

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

Contaminated packaging

Completely emptied packings can be re-cycled.

SECTION 14: Transport information**Land transport (ADR/RID)**

- 14.1. UN number or ID number:** -
14.2. UN proper shipping name: -
14.3. Transport hazard class(es): -

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14.4. Packing group:

Hazard label: -
Classification code: -
Special Provisions: -
Limited quantity: -
Excepted quantity: -
Transport category: -
Hazard No: -
Tunnel restriction code: -

Other applicable information (land transport)

Not a hazardous material with respect to transportation regulations.

Inland waterways transport (ADN)

14.1. UN number or ID number: -

14.2. UN proper shipping name: -

14.3. Transport hazard class(es): -

14.4. Packing group: -

Hazard label: -
Classification code: -
Special Provisions: -
Limited quantity: -
Excepted quantity: -

Other applicable information (inland waterways transport)

Not a hazardous material with respect to transportation regulations.

Marine transport (IMDG)

14.1. UN number or ID number: -

14.2. UN proper shipping name: -

14.3. Transport hazard class(es): -

14.4. Packing group: -

Hazard label: -
Marine pollutant: -
Special Provisions: -
Limited quantity: -
Excepted quantity: -
EmS: -
Segregation group: -

Other applicable information (marine transport)

Not a hazardous material with respect to transportation regulations.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: -

14.2. UN proper shipping name: -

14.3. Transport hazard class(es): -

14.4. Packing group: -

Hazard label: -
Special Provisions: -
Limited quantity Passenger: -
Passenger LQ: -
Excepted quantity: -
IATA-packing instructions - Passenger: -
IATA-max. quantity - Passenger: -
IATA-packing instructions - Cargo: -
IATA-max. quantity - Cargo: -

Other applicable information (air transport)

Not a hazardous material with respect to transportation regulations.

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14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No special precautionary measures are necessary.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

Other applicable information

Not a hazardous material with respect to transportation regulations.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3

Directive 2004/42/EC on VOC in
paints and varnishes: 0 % (0g/l)**National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

Data changed from previous versions: 15.1.

Abbreviations and acronyms

Met. Corr: Corrosive to metals

Acute Tox: Acute toxicity

Skin Corr: Skin corrosion

Skin Irrit: Skin irritation

Eye Dam: Eye damage

Eye Irrit: Eye irritation

STOT SE: Specific target organ toxicity - single exposure

Aquatic Acute: Acute aquatic hazard

Aquatic Chronic: Chronic aquatic hazard

Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification | Classification procedure |
|---------------------|--------------------------|
| Skin Irrit. 2; H315 | Calculation method |
| Eye Dam. 1; H318 | Calculation method |

Relevant H and EUH statements (number and full text)

| | |
|------|--|
| 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. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |
| H412 | Harmful to aquatic life with long lasting effects. |

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Further Information

Training instructions: Follow the instructions for use on the label.

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

Identified uses

| No | Short title | LCS | SU | PC | PROC | ERC | AC | TF | Specification |
|----|---------------|-----------|----|----|-----------|-----|----|----|---------------|
| 1 | TICKOPUR R 33 | IS, PW, C | 0 | 35 | 8a, 9, 13 | 8a | 0 | 26 | |

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)