

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : TRACOE® tube clean RF 932
Revision : 15.08.2018
Print date : 15.08.2018

Version (Revision) : 3.0.0 (2.0.0)

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

1.1 Product identifier

TRACOE® tube clean RF 932

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

Relevant identified uses

Cleaning agent for TRACOE® tracheostomy tubes and stoma buttons.

Product Categories [PC]

PC35 - Washing and cleaning products

Uses advised against

None, if handled according to order.

Remark

The product is intended for professional use.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

TRACOE medical GmbH

Street : Reichelsheimer Str. 1/3

Postal code/city : D-55268 Nieder-Olm

Telephone :

Telefax : +49 6136 9169-200

Information contact : TRACOE Customer Service Tel.: +49 6136 9169-182 Fax.: +49 6136 9169-182
order@tracoe.com www.tracoe.com

1.4 Emergency telephone number

+49 6136 9169-0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

STOT SE 3 ; H335 - STOT-single exposure : Category 3 ; May cause respiratory irritation.

Classification procedure

The classification was carried out according to the calculation method of Regulation No. (EC) 1272/2008 [CLP].

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Corrosion (GHS05) · Exclamation mark (GHS07)

Signal word

Danger

Hazard components for labelling

TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9

SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8

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Hazard statements

H318 Causes serious eye damage.
H315 Causes skin irritation.
H335 May cause respiratory irritation.

Precautionary statements

P280 Wear protective gloves and eye/face protection.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container to hazardous or special waste collection point.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Phosphate > 30 %, EDTA < 5 %, nonionic surfactants < 5 %, colourings and auxiliary agents.

Hazardous ingredients

TRISODIUM ORTHOPHOSPHATE ; REACH registration No. : 01-2119489800-32 ; EC No. : 231-509-8; CAS No. : 7601-54-9

Weight fraction : $\geq 35 - < 40$ %
Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 STOT SE 3 ; H335

TETRAPOTASSIUM DIPHOSPHATE ; REACH registration No. : 01-2119489369-18 ; EC No. : 230-785-7; CAS No. : 7320-34-5

Weight fraction : $\geq 5 - < 10$ %
Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

SODIUM ETHYLENEDIAMINETETRAACETATE ; REACH registration No. : 01-2119486762-27 ; EC No. : 200-573-9; CAS No. : 64-02-8

Weight fraction : $\geq 3 - < 5$ %
Classification 1272/2008 [CLP] : STOT RE 2 ; H373 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H332

FATTY ALCOHOL POLYGLYCOL ETHER ; REACH registration No. : 02-2119549526-31 ; CAS No. : 78330-20-8

Weight fraction : $\geq 1 - < 5$ %
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302

TRISODIUM NITRILOTRIACETATE ; REACH registration No. : 01-2119519239-36 ; EC No. : 225-768-6; CAS No. : 5064-31-3

Weight fraction : $< 0,15$ %
Classification 1272/2008 [CLP] : Carc. 2 ; H351 Acute Tox. 4 ; H302 Eye Irrit. 2 ; H319

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Immediately remove all contaminated clothing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Following inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact

Wash with plenty of water. When in doubt or if symptoms are observed, get medical advice.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart

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and consult an ophthalmologist.

After ingestion

If swallowed, immediately drink: Water Never give anything by mouth to an unconscious person or a person with cramps. Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye damage. Causes skin irritation. May cause respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinguishing powder Water spray Water mist

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

None, if handled according to order.

Hazardous combustion products

Sulphur dioxide (SO₂) Sulphur trioxide

5.3 Advice for firefighters

Cool endangered containers with water in case of fire.

Special protective equipment for firefighters

When extinguishing fires, use breathing apparatus with an independent source of air.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. See protective measures under point 7 and 8.

For non-emergency personnel

Use personal protection equipment. See protective measures under point 7 and 8.

For emergency responders

Personal protection equipment

See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

Take up mechanically.

For cleaning up

Sweep up and place in clean, dry plastic containers; closure must not be air-tight. Avoid dust formation.

Other information

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

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep/Store only in original container. Please note safety instructions and directions for use on the drum. Handle and

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open container with care. Provide adequate ventilation. Avoid dust formation. Do not breathe dust.

Protective measures

Measures to prevent fire

When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container. Keep container tightly closed. Keep in a cool, well-ventilated place.

Hints on joint storage

Do not store together with flammable substances and acids. Store the foodstuffs separately.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL/DMEL and PNEC values

There are no data available on the preparation itself.

DNEL/DMEL

Limit value type :	DNEL Consumer (systemic) (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	3,04 mg/m ³
Limit value type :	DNEL worker (systemic) (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	4,07 mg/m ³
Limit value type :	DNEL Consumer (systemic) (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	0,68 mg/l
Limit value type :	DNEL Consumer (systemic) (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Exposure route :	Oral
Exposure frequency :	Long-term (repeated)
Limit value :	> 70 mg/kg
Safety factor :	24 h
Limit value type :	DNEL Consumer (systemic) (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	10,87 mg/m ³
Limit value type :	DNEL worker (systemic) (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	2,79 mg/m ³
Limit value type :	DNEL worker (systemic) (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	44,08 mg/m ³
Limit value type :	DNEL Consumer (local) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	1,5 mg/m ³
Limit value type :	DNEL Consumer (local) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-

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02-8)
Exposure route : Inhalation
Exposure frequency : Short-term (acute)
Limit value : 1,5 mg/m³
Limit value type : DNEL Consumer (systemic) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)

Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : 1,5 mg/m³
Limit value type : DNEL Consumer (systemic) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)

Exposure route : Inhalation
Exposure frequency : Short-term (acute)
Limit value : 1,5 mg/m³
Limit value type : DNEL Consumer (systemic) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)

Exposure route : Oral
Exposure frequency : Long-term (repeated)
Limit value : 25 mg/kg
Safety factor : 24 h
Limit value type : DNEL worker (local) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)

Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : 2,5 mg/m³
Limit value type : DNEL worker (local) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)

Exposure route : Inhalation
Exposure frequency : Short-term (acute)
Limit value : 2,5 mg/m³
Limit value type : DNEL worker (systemic) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)

Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : 2,5 mg/m³
Limit value type : DNEL worker (systemic) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)

Exposure route : Inhalation
Exposure frequency : Short-term (acute)
Limit value : 2,5 mg/m³
Limit value type : DNEL Consumer (local) (TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3)

Exposure route : Inhalation
Exposure frequency : Short-term (acute)
Limit value : 1,75 mg/m³
Limit value type : DNEL Consumer (systemic) (TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3)

Exposure route : Inhalation
Exposure frequency : Short-term (acute)
Limit value : 1,75 mg/m³
Limit value type : DNEL Consumer (systemic) (TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3)

Exposure route : Oral
Exposure frequency : Long-term (repeated)
Limit value : 0,5 mg/kg
Safety factor : 24 h
Limit value type : DNEL worker (local) (TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3)

Exposure route : Inhalation
Exposure frequency : Short-term (acute)
Limit value : 5,25 mg/m³
Limit value type : DNEL worker (local) (TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3)
Exposure route : Inhalation

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Exposure frequency : Long-term (repeated)
Limit value : 3,5 mg/m³
Limit value type : DNEL worker (systemic) (TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3)
Exposure route : Inhalation
Exposure frequency : Short-term (acute)
Limit value : 5,25 mg/m³
Limit value type : DNEL worker (systemic) (TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3)
Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : 3,5 mg/m³

PNEC

Limit value type : PNEC (Aquatic, freshwater) (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Limit value : 0,05 mg/l
Limit value type : PNEC (Aquatic, intermittent release) (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Limit value : 0,5 mg/l
Limit value type : PNEC (Aquatic, marine water) (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Limit value : 0,005 mg/l
Limit value type : PNEC (Sewage treatment plant) (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Limit value : 50 mg/l
Limit value type : PNEC (Aquatic, freshwater) (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Limit value : 0,05 mg/l
Limit value type : PNEC (Aquatic, intermittent release) (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Limit value : 0,5 mg/l
Limit value type : PNEC (Aquatic, marine water) (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Limit value : 0,005 mg/l
Limit value type : PNEC (Sewage treatment plant) (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Limit value : 50 mg/l
Limit value type : PNEC (Aquatic, freshwater) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Exposure route : Water (Including sewage plant)
Limit value : 2,8 mg/l
Limit value type : PNEC (Aquatic, intermittent release) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Limit value : 1,6 mg/l
Limit value type : PNEC (Aquatic, marine water) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Exposure route : Water (Including sewage plant)
Limit value : 0,28 mg/l
Limit value type : PNEC (Industrial) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Exposure route : Soil
Limit value : 0,95 mg/kg
Limit value type : PNEC (Sewage treatment plant) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Exposure route : Water (Including sewage plant)
Limit value : 57 mg/l
Limit value type : PNEC (Aquatic, freshwater) (TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3)
Exposure route : Water (Including sewage plant)
Limit value : 0,93 mg/l
Limit value type : PNEC (Aquatic, marine water) (TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3)
Exposure route : Water (Including sewage plant)
Limit value : 0,093 mg/l

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Limit value type :	PNEC (Sediment, freshwater) (TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3)
Exposure route :	Soil
Limit value :	3,64 mg/kg
Limit value type :	PNEC (Sediment, marine water) (TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3)
Exposure route :	Soil
Limit value :	0,364 mg/kg
Limit value type :	PNEC soil, freshwater (TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3)
Exposure route :	Soil
Limit value :	0,182 mg/kg
Limit value type :	PNEC (Secondary poisoning) (TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3)
Limit value :	0,2 mg/kg
Limit value type :	PNEC (Sewage treatment plant) (TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3)
Exposure route :	Water (Including sewage plant)
Limit value :	540 mg/l

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Eye glasses with side protection DIN EN 166

Skin protection

Hand protection

Short-term exposure (Level 2: < 30 min): disposable gloves to EN374 category III, e.g. nitrile rubber, material thickness 0.1 mm.

Long-term exposure (Level 6: < 480 min): protective gloves to EN374 category III, e.g. nitrile rubber, material thickness 0.7 mm.

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

Body protection

Body protection: not required.

Respiratory protection

No special measures are necessary.

General health and safety measures

Keep away from food, drink and animal feedings. Avoid contact with skin, eyes and clothes. Wash hands before breaks and after work. Separate storage of work clothes. When using do not eat, drink, smoke, sniff.

Occupational exposure controls

Technical measures to prevent exposure

Provide adequate ventilation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Powder

Colour : green

Odour : characteristic

Safety relevant basis data

Melting point/melting range : (1013 hPa) not applicable

Initial boiling point and boiling range : (1013 hPa) not applicable

Decomposition temperature : (1013 hPa) No data available

Flash point : not applicable

Ignition temperature : not applicable

Lower explosion limit : not applicable

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Upper explosion limit :					not applicable
Vapour pressure :	(50 °C)				not applicable
Density :	(20 °C)				none
Bulk density :	(20 °C)	approx.	800 - 850	kg/m ³	
Solvent separation test :	(20 °C)				not applicable
Water solubility :	(20 °C)	approx.	300	g/l	
pH value :	(20 °C / 10 g/l)				11 - 12
log P O/W :					No data available
Flow time :	(20 °C)				not applicable
Odour threshold :					No data available
Maximum VOC content (EC) :					0 Wt %
Oxidising solids :					Not oxidising.
Explosive properties :					No data available.
Corrosive to metals :					Not corrosive to metals.

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

Reactions with acids possible

10.4 Conditions to avoid

None, if handled according to order.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

There are no data available on the mixture itself.

Acute effects

Acute oral toxicity

Parameter :	ATEmix calculated
Exposure route :	Oral
Effective dose :	9058 mg/kg
Parameter :	LD50 (FATTY ALKOHOL POLYGLYCOL ETHER ; CAS No. : 78330-20-8)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 300 - 2000 mg/kg
Method :	OECD 401
Parameter :	LD50 (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Exposure route :	Oral
Species :	Mouse
Effective dose :	> 2000 mg/kg
Parameter :	LD50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Exposure route :	Oral
Species :	Rat

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Effective dose : 1780 - 2000 mg/kg
Parameter : LD50 (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Exposure route : Oral
Species : Rat
Effective dose : > 2000 mg/kg
Parameter : LD50 (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Exposure route : Oral
Species : Rat
Effective dose : 4260 mg/kg
Parameter : LD50 (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Exposure route : Oral
Species : Rat
Effective dose : 5000 mg/kg
Parameter : LD50 (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Exposure route : Oral
Species : Rat
Effective dose : 8700 mg/kg
Parameter : LD50 (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Exposure route : Oral
Species : Rat
Effective dose : 2440 mg/kg
Parameter : ATE (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Exposure route : Oral
Effective dose : 500 mg/kg
Parameter : ATE (FATTY ALKOHOL POLYGLYCOL ETHER ; CAS No. : 78330-20-8)
Exposure route : Oral
Effective dose : 500 mg/kg
Parameter : ATE (TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3)
Exposure route : Oral
Effective dose : 500 mg/kg

Acute dermal toxicity

Parameter : ATEmix calculated
Exposure route : Dermal
Effective dose : not relevant
Parameter : LD50 (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg
Parameter : LD50 (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 300 mg/kg
Parameter : LD50 (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 5000 mg/kg
Parameter : LD50 (FATTY ALKOHOL POLYGLYCOL ETHER ; CAS No. : 78330-20-8)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg
Method : OECD 402
Parameter : LD50 (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 2000 mg/kg
Method : OECD 402

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Parameter : LD50 (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 4640 mg/kg

Acute inhalation toxicity

Parameter : LC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Exposure route : Inhalation
Species : Rat
Effective dose : 1000 - 5000 mg/l
Exposure time : 6 h

Parameter : LC50 (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Exposure route : Inhalation
Species : Rat
Effective dose : > 1,1 mg/l
Method : OECD 403

Irritant and corrosive effects

Causes serious eye damage. Causes skin irritation. May cause respiratory irritation.

Irritation to eyes

Practical experience/human evidence

Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.

Sensitisation

No data available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

No information available.

11.5 Additional information

The classification was carried out according to the calculation method of Regulation No. (EC) 1272/2008 [CLP].

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

There are no data available on the mixture itself.

Acute (short-term) fish toxicity

Parameter : LC50 (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Species : Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : > 100 mg/l
Exposure time : 96 h

Parameter : LC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Species : Lepomis macrochirus (Bluegill)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 951 mg/l
Exposure time : 96 h

Parameter : LC50 (FATTY ALCOHOL POLYGLYCOL ETHER ; CAS No. : 78330-20-8)
Species : Leuciscus idus (golden orfe)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : > 10 - 100 mg/l
Exposure time : 96 h
Method : DIN 38412 / part 15

Parameter : LC50 (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Species : Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : > 100 mg/l

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Exposure time : 96 h
Method : OECD 203
Parameter : LC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Species : Leuciscus idus (golden orfe)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 2040 mg/l
Exposure time : 96 h
Parameter : LC50 (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Species : Gambusia affinis (Mosquito fish)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 28,5 mg/l
Exposure time : 96 h
Parameter : LC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Species : Fish
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : > 100 mg/l
Exposure time : 96 h

Chronic (long-term) fish toxicity

Parameter : NOEC (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Species : Brachydanio rerio (zebra-fish)
Evaluation parameter : Chronic (long-term) fish toxicity
Effective dose : $\geq 36,9$ mg/l
Exposure time : 840 h
Method : OECD 210
Parameter : NOEC (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Species : Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter : Chronic (long-term) fish toxicity
Effective dose : 100 mg/l
Exposure time : 96 h
Method : OECD 203

Acute (short-term) daphnia toxicity

Parameter : EC50 (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : > 100 mg/l
Exposure time : 48 h
Parameter : EC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 140 mg/l
Exposure time : 48 h
Parameter : EC50 (FATTY ALCOHOL POLYGLYCOL ETHER ; CAS No. : 78330-20-8)
Species : Daphnia
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : > 10 - 100 mg/l
Exposure time : 48 h
Method : DIN 38412 / part 11
Parameter : EC50 (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : > 100 mg/l
Exposure time : 48 h
Method : OECD 202
Parameter : EC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity

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Effective dose : > 500 mg/l
Exposure time : 24 h

Chronic (long-term) daphnia toxicity

Parameter : NOEC (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Chronic (long-term) daphnia toxicity
Effective dose : 25 mg/l
Exposure time : 504 h

Parameter : NOEC (FATTY ALKOHOL POLYGLYCOL ETHER ; CAS No. : 78330-20-8)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Chronic (long-term) daphnia toxicity
Effective dose : > 1 mg/l
Exposure time : 504 h
Method : OECD 202

Acute (short-term) algae toxicity

Parameter : EC50 (TRISODIUM ORTHOPHOSPHATE ; CAS No. : 7601-54-9)
Species : Algae
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : > 100 mg/l
Exposure time : 72 h

Parameter : EC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Species : Algae
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : > 100 mg/l
Exposure time : 72 h

Parameter : EC50 (FATTY ALKOHOL POLYGLYCOL ETHER ; CAS No. : 78330-20-8)
Species : Scenedesmus subspicatus
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : > 10 - 100 mg/l
Exposure time : 96 h
Method : DIN 38412 / part 9

Parameter : EC50 (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Species : Desmodesmus subspicatus
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : > 100 mg/l
Exposure time : 72 h
Method : OECD 201

Chronic (long-term) algae toxicity

Parameter : NOEC (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Species : Algae
Evaluation parameter : Chronic (long-term) algae toxicity
Effective dose : > 100 mg/l
Exposure time : 72 h
Method : OECD 201

Bacteria toxicity

Parameter : EC50 (TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5)
Evaluation parameter : Bacteria toxicity
Effective dose : > 1000 mg/l
Exposure time : 3 h

Parameter : EC10 (FATTY ALKOHOL POLYGLYCOL ETHER ; CAS No. : 78330-20-8)
Evaluation parameter : Bacteria toxicity
Effective dose : 48 mg/l
Exposure time : 17 h
Method : DIN 38412 / part 8

Sediment toxicity

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Toxicity to soil macroorganisms

Acute earthworm toxicity

Parameter : LC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Species : Acute earthworm toxicity
Effective dose : 156 mg/kg
Exposure time : 336 h
Method : OECD 207

12.2 Persistence and degradability

Biodegradation

The product is easily biodegradable according to OECD criteria.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

There are no data available on the preparation itself.

Adsorption/Desorption

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Waste treatment options

Appropriate disposal / Product

Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

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not applicable

SECTION 15: Regulatory information

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

National regulations

Restrictions of occupation

According to directive 94/33/EC, juveniles are only allowed to handle this product as long as all effects of dangerous substances are prevented.

15.2 Chemical safety assessment

For this mixture a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Indication of changes

02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling
· 03. Hazardous ingredients · 08. DNEL/DMEL · 08. PNEC

16.2 Abbreviations and acronyms

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimates
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CMR = Carcinogen, Mutagen or Reproductive toxicant
CO₂ = Carbon dioxide
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EC = European Commission
EC50 = Half maximal effective concentration
EN = European Standard (Norm)
EU = European Union
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
H statement = GHS Hazard statement
IATA = International Air Transport Association ICAO-TI = International Civil Aviation Organization-Technical Instructions
IMDG = International Maritime Dangerous Goods
LC50 = Median lethal concentration
LD50 = Median lethal dose
LogPow = Logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NOEC/NOEL = No observed effect concentration/level
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006]
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RMM = Risk Management Measure
RRN = REACH Registration Number
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
SVHC = Substances of Very High Concern
TLV/STEL = Threshold limit value/short-term exposure limit
TLV/TWA = Threshold limit value/time weighted average
UN = United Nations

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VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The classification was carried out according to the calculation method of Regulation No. (EC) 1272/2008 [CLP].

16.5 Relevant H- and EUH-phrases (Number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

16.6 Training advice

None

16.7 Additional information

Observe instructions for use.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
