

SAFTY DATA SHEET

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

Revised: 07/2024

Print Date: 07/2024

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING.*

1.1. Identification of the product.

Registered name: **DETERGENTE, CLEANER, DETERGENT.**

Format and part number: **200 ml bottle (TR010700), 1000 ml bottle (TR010600).**

1.2. Use of the substance/preparation.

Description / Use: cleaner for upholsteries, plastic and rubber parts.

Registration number: N.A., as it is a mixture.

1.3. Company/undertaking identification.

Company name: Tecnodent S.r.l.

Address: via 63ma Brigata Bolero, 24

City / Country: Casalecchio di Reno (BO) - Italy

Telephone number: +39 051 6131143

e-mail address of the competent person: info@tecnodent.com

Safety Data Sheet responsible: -

Distributed by: ULTRADENT Dental-Medizinische Geräte, D-85649 Brunnthal, Eugen-Sänger-Ring 10

Contact: info@ultradent.de

1.4. Emergency telephone.

Please call the local trauma hospital or general emergency number 112

(*) this symbol states that the information was updated at the revision date.

N.D. = Not Available.

N.A. = Not Applicable.

[] = Bibliographic reference.

2. HAZARDS IDENTIFICATION.*

2.1. Substance / mixture classification.

The product is classified as not hazardous according to Regulation (EC) 1272/2008 (CLP) (and subsequent modifications).

2.2. Label elements.

Symbols of danger: none.

Indications of danger: none.

Advice on safety precautions: none.

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Special Instructions according to REACH attachment XVII and subsequent modifications: none

Ingredients (Regulation 648/2004):

Contains <5% soap, EDTA, phosphate.

Other components : Parfume.

2.3. Other dangers.

vPvB substances: none – PBT substances: none

Other dangers: None

3. COMPOSITION/INFORMATION ON INGREDIENTS.*

3.1. Substances.

Not applicable.

3.2. MIXTURES.

Identification Conc. (%)

Classification

67/548/EEC

Classification

1272/2008 (CLP)

4. FIRST AID MEASURES.*

4.1. Description of first aid measures.

In case of skin contact: Take out the contaminated cloths and remove them safely

In case of eyes contact: Wash immediately and thoroughly with water for at least 10 minutes, keeping eyelids wide open, then protect the eyes with a sterile gauze or a clean and dry cloth. Call immediately a doctor. Protect the uninjured eye.

In case of ingestion: Do not induce vomiting. Contact immediately a doctor.

In case of inhaling: lead the injured to open air and keep him at rest.

4.2. Main symptoms and effects, both acute and retarded.

For more information on effects due to component substances, see section 11.

4.3. Information whether professional assistance by a doctor or special treatments are available.

In case of incident or sickness, call immediately a doctor and follow his advice. If possible, show him the safety data sheet.

Treatment: Symptomatic treatment.

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5. FIRE-FIGHTING MEASURES.*

5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA.

Extinguishing media should be common ones, e.g.: powder extinguisher, carbon dioxide extinguisher.

NOT SUITABLE EXTINGUISHING MEDIA.

No one in particular.

5.2. Special dangers arising from the substance or preparation.

DANGERS ARISING FROM EXPOSITION IN CASE OF FIRE.

Avoid inhaling the gases generated from burning or explosions. The combustion of the substance produces carbon dioxide (CO₂), an asphyxiating gas.

5.3. Advice for fire-fighters.

GENERAL INFORMATION.

Always wear the complete fire protection equipment. Collect the extinguishing water, that must not be discharged into the sewers. Dispose the contaminated extinguishing water and the charring of the fire according to the local laws.

6. ACCIDENTAL RELEASE MEASURES.*

6.1. Personal precautions, protective gear and emergency procedures.

Wear safety equipment.

Remove any ignition source.

Evacuate the involved area.

For more information regarding risks for health and environment, see sections 7 and 8.

6.2. Environmental precautions.

Prevent the product from entering sewers, surface water, ground water and confined areas.

Should the product seep into the waters or in the sewers, call immediately the relevant authorities.

Absorb the spilled product with inert absorbing material (sand, vermiculite, diatomaceous earth)

6.3. Method or materials for containment and recovery.

Wipe away the residual liquid with water jets.

6.4. Cross-reference to other sections.

Possible information regarding individual protection and disposal are pointed out in sections 8 and 13.

7. HANDLING AND STORAGE.*

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7.1. Precautions for safe handling.

Avoid contact with skin, eyes and do not inhale vapours or fumes.

Do not use empty containers before they have been cleaned.

Before the transfer operations make sure that there are no incompatible residual materials in the containers. Contaminated clothing must be replaced before entering the dining areas

Do not smoke, drink or eat where the product is handled.

See section 8 for personal protection equipment.

7.2. Conditions for safe storage, including possible incompatibilities.

Store in a cool, well-ventilated place and keep it away from direct sunlight. Keep away from ignition sources, open flames or sparks. Store in properly ventilated rooms and keep the containers at a temperature between 5° C and 40 °C. Keep away from direct sun.

Keep away from food and beverage.

Incompatible materials: For more information see section 10 of this data sheet.

Local data: Well-ventilated places.

7.3. Specific uses.

Cleaner for upholsteries, plastic and rubber parts.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.*

8.1. Control parametres

2-Butoxyethanol – CAS: 111-76-2

TLV TWA – 20 ppm, A3 – 96,66 mg/m³, A3

TLV STEL – A3

VLE 8h - 98 mg/m³ – 20 ppm

VLE short - 246 mg/m³ – 50 ppm

Tetrapotassium pyrophosphate; CAS No. 7320-34-5

TLV TWA - 4 mg/m³ (note UK EH 40)

Sodium metasilicate – CAS: 10213-79-3

OEL: UE – LTE: 3 mg/m³ – Note: Alveolar fraction

OEL: UE – LTE: 10 mg/m³ – Note: Respirable fraction

DNEL Exposure limit values

2-Butoxyethanol – CAS: 111-76-2

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Industrial worker: 75 mg/kg – End user: 38 mg/kg – exposition: cutaneous -

Frequence: long term, systemic effects

Industrial worker: 98 mg/kg – End user: 49 mg/kg – exposition: inhaling -

Frequence: long term, systemic effects

End user: 3.2 mg/kg – exposition: oral - Frequence: long term, systemic effects Tetrapotassium pyrophosphate - CAS No. 7320-34-5

Industrial worker: 2.79 mg/m³ – End user: 0.68 mg/m³ – exposition: inhaling - Frequence: long term, systemic effects

Pentaidrate Sodium metasilicate – CAS: 10213-79-3

Industrial worker: 1.49 mg/kg – End user: 0.74 mg/kg – exposition: cutaneous - Frequence: long term, systemic effects

Industrial worker: 6.22 mg/M³ – End user: 1.55 mg/M³ – exposition: inhaling - Frequence: long term, systemic effects

End user: 0.74 mg/kg – exposition: oral - Frequence: long term, systemic effects Ethylenediaminetetraacetic ditetrasodium – CAS: 64-02-8

Industrial worker: 2.5 mg/m³ – End user: 1.5 mg/m³ – exposition: inhaling -

Frequence: long term, systemic effects

Industrial worker: 2.5 mg/m³ – End user: 1.5 mg/m³ – exposition: inhaling -

Frequence: short term, systemic effects

End user: 25 mg/kg – exposition: oral - Frequence: long term, systemic effects

PNEC Exposure limit values

2-Butoxyethanol – CAS: 111-76-2

Parameter: purification plant - Value: 463 mg/l.

Parameter: soft water - Value: 8.8 mg/l.

Parameter: seawater - Value: 0.88 mg/l.

Parameter: Occasional emission - Value: 9.1 mg/l.

Parameter: Land - Value: 3.13 mg/kg.

Tetrapotassium pyrophosphate - CAS No. 7320-34-5

Parameter: purification plant - Value: 50 mg/l.

Parameter: soft water - Value: 0.05 mg/l.

Parameter: seawater - Value: 0.005 mg/l.

Parameter: Occasional emission - Value: 0.5 mg/l.

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Pentaidrate Sodium metasilicate – CAS: 10213-79-3

Parameter: Occasional emission - Value: 7.5 mg/l.

Parameter: purification plant - Value: 1000 mg/l.

Parameter: soft water - Value: 7.5 mg/l.

Parameter: seawater - Value: 1 mg/l.

Ethylendiaminetetraacetic ditetrasodium – CAS: 64-02-8

Parameter: soft water - Value: 2.2 mg/l.

Parameter: seawater - Value: 0.22 mg/l.

Parameter: Occasional emission - Value: 1.2 mg/l.

Parameter: Land - Value: 0.72 mg/kg.

Parameter: purification plant - Value: 43 mg/l.

8.2. Exposure controls.

Eye protection: It is advised to wear watertight protective goggles (compliant with EN 166 standard), do not use lenses.

Skin protection: Use workwear granting a total skin protection.

Hand protection: Protect your hands with Category II working gloves (according to directive 89/686/EEC and EN 374 standard), e.g. in PVC, PVA, neoprene, nitrile rubber, PTFE, Viton® or similar. To eventually choose the gloves material, you must consider: deterioration, breakthrough time and permeation. In case of preparations, the gloves resistance must be verified before use, because it is not predictable. Gloves have a wear time that depends upon exposure time.

Respiratory protection: Should the concentration of one or more substance of the mixture exceed the allowed threshold, referred to the exposure limit for the working environment or a fraction of the same value as stated by the factory service of workplace safety, use a filter designed for gases / organic compound vapours, compliant with EN 14387 type A. Use of personal protective equipment for airways, like masks with cartridges for organic vapours and powders / mists, is necessary if there are no measures to limit the exposure of the working personnel. However, the protection offered by masks is limited. If the substance under examination is odourless or the olfactory threshold is higher than the exposure limit, use a self-contained open-circuit breathing apparatus (according to standard EN 137) or a fresh air hose breathing (according to standard EN 138).

Thermic risks: None.

Environmental exposition controls: See section 7 and 13.

Technical controls: None.

9. PHYSICAL AND CHEMICAL PROPERTIES.*

9.1. General information on physical and chemical base characteristics.

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Physical state: liquid.

Colour: yellow.

Odour: Characteristic, perfumed.

Basic pH: 11.4.

Distillation range: N.D. (Not available).

Flash point: over 60 °C (closed cup).

Evaporation rate: N.D. (Not available).

Flammability of solid and gases: N.D. (Not available).

Self-flammability: N.D. (Not available).

Explosive properties: Not explosive.

Combustive properties: Not combusive.

Relative density at 20 °C: 1.06 g/ml.

Water solubility: Soluble.

Oil solubility: N.D. (Not available).

Partition coefficient (octanol/water): N.D. (Not available).

Vapour pressure at 20 °C: N.D. (Not available).

Vapour density: N.D. (Not available).

Oxidising properties: Not oxidising.

9.2. Other information.

Not available.

10. STABILITY AND REACTIVITY.*

10.1. Reactivity.

The product is stable in normal conditions of usage and storage.

10.2. Chemical stability.

The product is stable in normal conditions of usage and storage.

10.3. Possibility of dangerous reactions.

In normal conditions of usage and storage there are no foreseeable dangerous reactions. However, avoid contact with incompatible materials.

10.4. Conditions to avoid.

Avoid overheating, electrostatic charges, as well as any ignition source.

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Avoid contact with oxidising agents, strong mineral acids.

10.5. Incompatible materials.

Oxidising agents and strong mineral acids, metals.

10.6. Hazardous decomposition products.

None.

11. TOXICOLOGICAL INFORMATION.

11.1. Information on toxicological effects.

Not available. No tests done on this mixture.

Information on toxicological effects regarding the main substances of the mixture: **2-BUTOXYETHANOL – CAS: 111-76-2**

a) Acute toxicity:

LC50 (inhalation): 450 ppm - 4h (rat)

LD50 (oral): 1746 mg/kg (rat)

LD50 (dermal): 6411 mg/kg (rat)

b) Corrosion / skin irritation:

Positive test for skin irritation

c) Severe eye injury / Severe eye irritation:

Positive test for eye irritation

d) Respiratory or cutaneous sensitization:

Negative test for cutaneous sensitization on Guinea Pig

e) Germ cell mutagenicity:

Negative test for mutagenicity (Ames Test)

POTASSIUM PYROPHOSPHATE

a) Acute toxicity:

LC50 (inhalation): > 1.1 mg/l - 4h (rat)

Irritant for respiratory system

LD50 (oral): > 1000 mg/kg (rat)

Irritant for mouth, throat, nausea, vomit.

LD50 (dermal): > 2000 mg/kg (rabbit)

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b) Corrosion / skin irritation:

Positive test for skin irritation

c) Severe eye injury / Severe eye irritation

Positive test for eye irritation

d) Respiratory or cutaneous sensitization:

Negative test for cutaneous sensitization

SODIUM METASILICATE PENTAIDRATE – CAS: 10213-79-3

a) Acute toxicity:

LC50 (inhalation): > 2.06 mg/l - 4h (rat)

LD50 (oral): > 1152 mg/kg (mouse)

LD50 (dermal): > 5000 mg/kg (rat)

b) Corrosion / skin irritation:

Positive test for skin corrosion on rat – Note: OECD 404

c) Severe eye injury / Severe eye irritation:

Positive test for eye corrosion on rabbit – Note: OECD 405

d) Respiratory or cutaneous sensitization:

Negative test for cutaneous sensitization

Ethylenediaminetetraacetic ditetrasodium – CAS: 64-02-8

a) Acute toxicity:

LD50 (oral): > 2000 mg/kg (rat) – Note: Test BASF (sol. 40%)

LD50 (oral): > 1780 mg/kg (rat) – Note: Test BASF

b) Corrosion / skin irritation:

Negative test for skin corrosion on rabbit

c) Severe eye injury / Severe eye irritation:

Positive test for eye irritation on rabbit

d) Respiratory or cutaneous sensitization:

Negative test for cutaneous sensitization

e) Germ cell mutagenicity:

Negative test for mutagenicity (Ames Test)

f) Carcinogenicity:

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Negative test for Carcinogenicity

g) reproductive toxicity:

Negative test for reproductive toxicity

h) specific target organ toxicity (STOT) – single exposition:

Negative test for acute toxicity

i) specific target organ toxicity (STOT) – repeated exposition:

Negative test for chronic toxicity

12. ECOLOGICAL INFORMATION.*

12.1. Toxicity.

Use according to good working practice, avoiding the release of the product to the environment.

2-BUTOXYETHANOL.

EC50 (48 h): = 1550 mg/L (Daphnia magna).

EC50 (72 h): = 911 mg/L (Algae).

LC50 (96 h): = 1474 mg /L (fish).

SODIUM METASILICATE.

EC50 (48 h): = 1700 mg/L (Daphnia magna).

EC50 (72 h): = 207 mg/L (Algae).

LC50 (96 h): = 2320 mg /L (fish).

POTASSIUM PYROPHOSPHATE.

LC50 (96 h): > 100 mg /L (fish).

EC50 (72 h): > 100 mg /L (Algae).

EC50 (48 h): > 100 mg /L (Daphnia magna).

Ethylenediaminetetraacetic ditetrasodium – CAS: 64-02-8

Aquatic acute toxicity:

LC50 (96 h): > 100 mg /L (fish).

EC50 (48 h): > 100 mg /L (Daphnia magna).

EC50 (72 h): > 100 mg /L (Algae).

Aquatic chronic toxicity:

NOEC (840 h): = 36.9 mg /L (fish) – Note: OECD 210

NOEC (504 h): = 25 mg /L (Daphnia magna) – Note: OECD 211

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12.2. Persistence and degradability.

Information not available for the mixture.

2-BUTOXYETHANOL: easily biodegradable. Duration: 28d - % 90.4

SODIUM METASILICATE: soluble inorganic silicate minerals, when dissolving, degrade quickly in molecular species that are not distinguishable from the silicates dissolved in nature. They combine with ions of Ca, Mg, Fe, Al and others, until they form insoluble compounds that are similar to the ones found in natural soils.

ETHYLENEDIAMINETETRAACETIC DITETRASODIUM: Not easily biodegradable. Note: OECD

12.3. Bioaccumulative potential.

Information not available for the mixture.

2-BUTOXYETHANOL: little bioaccumulative.

SODIUM METASILICATE: product does not bioaccumulate.

ETHYLENEDIAMINETETRAACETIC DITETRASODIUM: little bioaccumulate – Test: BCF – Bioconcentration factor 1.8 – Duration: 28d.

12.4. Mobility in soil.

Information not available for the mixture.

2-BUTOXYETHANOL: the product has a very high mobility potential.

ETHYLENEDIAMINETETRAACETIC DITETRASODIUM: Not evaporate in the atmosphere form water surface. Terrain absorption in solid phase not predictable.

12.5. Results of PBT and vPvB evaluation.

Information not available for the mixture.

2-BUTOXYETHANOL, POTASSIUM PYROPHOSPHATE: these products are not, neither contain, substances defined as PBT or vPvB.

12.6. Other adverse effects.

Information not available for the mixture.

13. REMARKS ON DISPOSAL.*

13.1. Method for waste processing.

Reuse, if possible. Residuals of the product must be considered special hazardous waste. The danger of waste partially containing this product must be assessed in accordance to the applicable laws. Disposal must be committed to a company authorized to waste handling, in accordance to national and local regulations. Contaminated packages must be sent to recovery or disposal in accordance to the national regulation on waste handling.

14. TRANSPORT INFORMATION.*

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The product is not considered dangerous according to the regulations concerning transport of dangerous goods by road (ADR), railway (RID), by sea (IMGD code) and air (IATA).

15. REGULATORY INFORMATION.*

15.1. Regulation and legislation regarding health, safety and environment, specific for the substance or the preparation.

Directive 9/4/2008 nr.81.

Directive 26/02/2004.

Regulation of the European Parliament (EC) 1907/2006 (REACH).

Regulation of the European Parliament (EC) 1272/2008 (CLP).

Regulation of the European Parliament (EC) 790/2009 (1 ATP, CLP) and EU nr. 758/2013.

Regulation of the European Parliament (EC) 2015/830

Regulation of the European Parliament (EC) 286/2011 (2 ATP, CLP).

Regulation of the European Parliament (EC) 618/2012(3 ATP, CLP).

Regulation of the European Parliament (EC) 487/2013(4 ATP, CLP).

Regulation of the European Parliament (EC) 944/2013(5 ATP, CLP).

Regulation of the European Parliament (EC) 605/2014(6 ATP, CLP).

Substances subjected to authorization (as stated by REACH regulation, Annex XVII).

Restriction 3.

Restriction 40.

15.2. Chemical Safety Assessment.

No chemical safety assessment has been made, neither for the preparation, nor for the component substances.

16. OTHER INFORMATION. *

List of relevant hazard phrases (H) used in section 3 of this data sheet.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye lesion.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

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H335 May cause respiratory irritation.

REMARKS FOR THE USER.

The information contained herein is based on the state of our knowledge at the date of issue. The user must assess that the information is complete and fit-for-purpose in regard to the specific use of the product. This document must not be taken as a warranty of specific product properties. As the use of the product is not under our own control, users must respect the applicable laws of hygiene and safety under their own responsibility. No liability can be assumed for improper uses.