



DSI Retainer Cleaner

Denture Cleansing Tablets

Safety Data Sheet
Version 1.0 / EN

25-08-2025

SECTION 1: PRODUCT AND COMPANY INFORMATION

1.1. Product identifier

Product Name	DSI Retainer Cleaner
Intended use	Dental Cleaning Tablets Tablet sealed in the foil

Relevant identified uses: Cleaning of dental retainers and removable orthodontic appliances.
Uses advised against: Any use other than intended cleaning application.

1.2. Details of the supplier of the safety data sheet:

Company Name	DSI Dental Solutions Ltd.
Company Address	59 haAvoda str., Ashdod 7706300 Israel
Contact Name	Shlomi Krasner
Phone / Fax	+972.893.172.35
E-mail	info@dsisrael.com

Emergency telephone number:

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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the mixture (CLP)

Eye Irrit. 2 – H319: Causes serious eye irritation.

2.2 Label elements

Signal word: WARNING

Hazard statement: H319 Causes serious eye irritation.

Precautionary statements:

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

Contains oxidizing components. Not classified as oxidizing solid based on mixture criteria.

Short-term skin whitening may occur due to oxidizing ingredients.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the following substances:

Chemical Name	CAS Number	WT % (Range)
Sodium Bicarbonate	144-55-8	30-40
Citric Acid	77-92-9	20-30
Potassium peroxymonosulfate	70693-62-8	10-15
Sodium Carbonate	497-19-8	8-15
Sodium Percarbonate	15630-89-4	8-15
Peppermint Oil	8006-90-4	0.5-2

SECTION 4: FIRST AID MEASURES

Routes of Exposure	First Aid Instructions
Eye	Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. This is considered a highly unlikely event.
Skin	If rash or irritation develops get medical attention. This is considered a highly unlikely event.
Inhalation	Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention. If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give 100% oxygen with rescue breathing or CPR as required, and transport to the nearest medical facility. This is considered a highly unlikely event.
Ingestion	Do NOT induce vomiting. Give large amounts of water. Never give anything by mouth to an unconscious person. Call poison control center and seek medical attention.
Most important symptoms of exposure	Refer to acute and chronic exposure symptoms in Section 16 below.
Other	STATEMENT OF PRACTICAL TREATMENT: Always have plenty of water available for first aid. Get medical attention if any symptoms develop or persist.
Note to Physicians (Treatment, Testing, and Monitoring)	N/A
Sodium Benzoate	532-32-1
Tetraacetylenediamine (TAED)	10543-57-4



Peppermint Oil	8006-90-4
FD & C Blue No. 2	482-89-3

SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing media: Use extinguishing agent appropriate for surrounding fire.
Product is not flammable.
Hazardous combustion products may include carbon oxides, nitrogen oxides and sulfur oxides.
Firefighters should wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Avoid dust formation.
Collect material mechanically using suitable equipment.
Prevent release into drains and waterways.
Dispose of in accordance with local regulations.

SECTION 7: HANDLING AND STORAGE

Avoid contact with eyes and prolonged skin contact.
Store in original packaging in a dry, cool, well-ventilated place.
Recommended storage temperature: 5-25°C.
Do not store above 50°C.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ensure adequate ventilation.
Wear safety glasses when handling large quantities.
Use protective gloves if prolonged contact is expected.
Wash hands after handling.

SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance: Solid effervescent tablet.
Colour: White with blue tinge.
Odour: Mint.
pH (1% solution): 6–9.

Solubility: Soluble in water.
Explosive properties: None.
Oxidizing properties: Not classified as oxidizing solid.

SECTION 10: STABILITY AND REACTIVITY

Stable under normal storage conditions.
Avoid excessive heat and moisture.
No hazardous reactions under normal conditions of use.
Decomposition may release carbon oxides, nitrogen oxides, sulfur oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure: This product has not been tested. Toxicological testing has not been conducted for this product overall. Available toxicological data for individual ingredients are summarized below. See specific acute and chronic exposure information in section 16 below.

Emergency Overview: N/A
Likely Routes of Exposure
Inhalation: May cause irritation of respiratory tract.
Eye contact: Contact with eyes may cause irritation.
Skin contact: Prolonged contact with skin may cause redness and irritation.
Ingestion: Harmful if ingested.

LD50 & LC50 Data (as applicable)

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium peroxymonosulfate (CAS 70693-62-8)	1,200 mg/kg (rat)	>2,000 mg/kg (rabbit)	1.85 mg/L (rat, 4h)
Sodium Percarbonate (CAS 15630-89-4)	1,034 mg/kg (rat)	Not reported	Not reported
Sodium Carbonate (CAS 497-19-8)	4,090 mg/kg (rat)	Not reported	2,300 mg/m ³ (rat, 2h)
Sodium Bicarbonate (CAS 144-55-8)	1,600 mg/kg (rat)	Not reported	Not reported
Citric Acid (CAS 77-92-9)	3,000 mg/kg (rat)	Not reported	Not reported
Sodium Lauryl Sulfate (CAS 151-21-3)	1,288 mg/kg (rat)	Not reported	Not reported
Sodium Benzoate (CAS 532-32-1)	4,070 mg/kg (rat)	Not reported	Not reported

Tetraacetylenediamine (CAS 10543-57-4)	>2,000 mg/kg (rat)	Not reported	Not reported
Peppermint Oil (CAS 8006-90-4)	1,034 mg/kg (rat)	Not reported	Not reported
FD & C Blue No. 2 (CAS 482-89-3)	2,000 mg/kg (rat)	Not reported	Not reported
Polyethylene Glycol 180 (CAS 25322-68-3)	>5,000 mg/kg (rat)	Not reported	Not reported

Medical Conditions Aggravated by Exposure: This product contains persulfates, a known allergen and sensitizer. For people who are allergic to persulfates, an allergic reaction may not occur after the first use or even until many years after use. Also, some symptoms may not appear for several minutes or even hours after actual use.

Toxicity: There are no toxicological data for this material. Adverse health effects are neither known nor expected under normal use. Product can be highly toxic if ingested. Follow all usage directions.

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity: This product does not contain any known or suspected reproductive hazards.

SECTION 12: ECOLOGICAL INFORMATION

No classification for environmental hazards.
Avoid uncontrolled environmental release.
Not PBT or vPvB.

SECTION 13: DISPOSAL CONSIDERATION

Dispose of product and packaging in accordance with local and national regulations.
Do not discharge into drains.

SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous goods under ADR/RID/IMDG/IATA regulations.

SECTION 15: REGULATORY INFORMATION

This safety data sheet complies with REACH (EC 1907/2006) and CLP (EC 1272/2008).

SECTION 16: OTHER INFORMATION

H319 Causes serious eye irritation.

Information based on current knowledge and intended to describe product safety requirements.

Disclaimer:

Since the working conditions of the final user are unknown, the information presented in this safety data sheet is based on the current level of our knowledge, based on national and general standards.

The product should not be used for any other purpose than those indicated under heading without first receiving written instructions for use. The user must take all necessary measures to comply with the requirements and rules of the law. The information in this safety data sheet should be considered as a description of the safety requirements that apply to our product and does not guarantee its properties.