



SDS - 001

Title: Safety Data Sheet – Denture Cleanser Tablets

Page 1 of 12

This safety data sheet complies with the requirements of 29CFR1910.1200.

1.0 IDENTIFICATION

PRODUCT IDENTIFIER

Product Name Denture Cleanser Tablets (sodium perborate formulas)
Item Number 16-DEN1

OTHER MEANS OF IDENTIFICATION

Synonyms Antibacterial Denture Cleanser Tablets (DC)
Bi-Layer Denture Cleanser Tablet (ML)
Overnight Denture cleanser Tablets (OL)
Effervescent Cleanser Tablets (RAF)

Other information Mixture of detergents, mild inorganic bleaching agents
and auxillary ingredients

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Recommended use Consumer use
Uses advised against No information available

DETAIL OF THE SUPPLIER OF THE SAFETY DATA SHEET (SDS)

Supplier Address
Cypress Medical Products, LLC
1600 South Wolfe Road
Suite 200
Wheeling, IL 60090

EMERGENCY TELEPHONE NUMBER

Company Phone Number 1-800-777-4908
Emergency Telephone Call CHEMTREC day or night
Within USA and Canada: 1-800-424-9300

2.0 HAZARDS IDENTIFICATION

CLASSIFICATION

OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classifications

Acute Toxicity – Oral Category 4
Acute Toxicity – Inhalation Category 4
Reversible eye irritation Category 2

Reproductive toxicity

Category 18

Label Elements

Pictograms



Signal Word

Warning

Hazard Statements

Do not take internally.

Do not breathe dust.

Keep out of eyes and avoid extended contact with skin to minimize change of irritation.

Precautionary Statements – Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

Wash face, hands and exposed skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Avoid breathing dust.

Use only outdoors or in a well-ventilated area.

Precautionary Statements – Response

If exposed or concerned: get medical attention.

If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

If inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing.

If swallowed: contact Poison Control or doctor/physician. Rinse mouth.

Precautionary Statement – Disposal

Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)

Not applicable

Other information

- Harmful to aquatic life with long lasting effects.

- When added to water, the product produces carbon dioxide bubbles for agitation and a mild detergent and peroxide solution for cleaning.
- Read entire SDS for more information regarding this product.

3.0 COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Antibacterial Denture Cleanser Tablets (DC)
 Bi-Layer Denture Cleanser Tablet (ML)
 Overnight Denture cleanser Tablets (OL)
 Effervescent Cleanser Tablets (RAF)

Substance: Mixture

CHEMICAL NAME	CAS NO.	WEIGHT (%)
Oxone	70693-62-8	10-40
Sodium Perborate Monohydrate	10332-33-9	10-30
Citric Acid	77-92-9	0-20
Sodium Carbonate	497-19-8	5-15
Sodium Tripolyphosphate	7758-29-4	1-3
Sodium Sulfate	7757-82-6	0-25
Sodium Lauryl Sulfoacetate	1847-58-1	0.1-1.0

4.0 FIRST AID MEASURES**DESCRIPTION OF FIRST AID MEASURES****General Advice**

Under conditions of normal use, no hazards are anticipated which require special first aid measures. Get medical attention if any symptoms develop or persist. Always have plenty of water available for first aid.

Eye Contact

Not an expected route of exposure. Immediately flush with plenty of water. After initial flushing remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice.

Skin Contact

Not an expected route of exposure. Get medical attention if irritation develops and persists.

Inhalation

Not an expected route of exposure. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If continued difficulty with breathing is experienced, get medical attention immediately.

Ingestion

Do not ingest tablets or place them in mouth. Do not ingest or gargle solutions containing denture cleanser. Read and follow all usage directions. IF SWALLOWED, DO NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If swallowed, call a poison control center or physician immediately.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**Symptoms**

May cause skin irritation. May cause eye irritation. Ingestion may cause damage to the esophagus, abdominal pain, internal bleeding, breathing problems, seizures, bleaching of tissues, blood in the urine and vomiting. Chronic exposure may cause allergic reactions. Allergic reactions can occur with both proper and improper use of these cleaners. Symptoms of allergic reaction may include irritation, tissue damage, rash, hives, gum tenderness, breathing problems, low blood pressure.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Note to Physicians

Treat symptomatically.

5.0 FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use copious amounts of water to extinguish fire.

Unsuitable extinguishing media: None

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Dry product will react with water and effervesce. Wet product in tight containers may rupture. No significant hazard expected.

Explosion data

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6.0 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions

Physical form requires no specific personal protection when cleaning up spills. Wear dust mask and gloves as appropriate.

Other Information

Sweep up or vacuum. Collect material for disposal.

For Emergency Responders

Use personal protective equipment as required.

ENVIRONMENTAL PRECAUTIONS

Collect spillage. Not readily biodegradable. Product is not considered to be an environmental hazard.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for Containment

Collect material for disposal.

Methods for Cleaning up

Avoid cleaning dust. Sweep up and shovel into suitable containers for disposal.

7.0 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust. Wash thoroughly after handling.

CONDITIONS FOR SAFE STORAGE

Storage Conditions

Keep away from heat. Protect from moisture.

Incompatible Materials

Water causes production of gaseous carbon dioxide and a slowly reactive hydrogen peroxide.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Exposure Guidelines

OSHA PELs for Particulates not Otherwise Regulated (PNOR)
 15 mg/m³ TWA (total dust)
 5 mg/m³ TWA (respirable fraction)

APPROPRIATE ENGINEERING CONTROLS

Ventilation systems. Eyewash stations. Showers.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PPE

Eye/Face Protection

Wear safety glasses with side shields (or goggles)

Skin and Body Protection

Wear rubber gloves during industrial processing. Extended contact may cause skin irritation.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respiratory protection should be worn.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid Powder
Appearance	Loose or compressed powder
Color	Blue, blue/white, green/white, or blue/green
Odor	Peppermint
Odor Threshold	No information available

Property	Values	Remarks
pH (1-3% aqueous solution)	6 – 9	
Melting point/freezing point	Not applicable	
Boiling point/boiling range	Not applicable	
Flash point	Not applicable	
Evaporation rate	Not applicable	
Flammability (solid, gas)	Not applicable	
Flammability Limit in Air <ul style="list-style-type: none"> • Upper flammability limit • Lower flammability limit 	Not applicable	Not Flammable
Vapor pressure	Not applicable	
Vapor density	Not applicable	
Specific Gravity	Not applicable	
Water solubility	Not applicable	
Solubility in other solvents	No information available	
Partition coefficient	Not applicable	
Autoignition temperature	Not applicable	
Decomposition temperature	Not applicable	
Kinematic viscosity	Not applicable	
Dynamic viscosity	Not applicable	
Explosive properties	Not applicable	
Oxidizing properties	Not applicable	
Softening point	Not applicable	
Molecular weight	Not applicable	
VOC Content (%)	Not applicable	
Density	Not applicable	
Bulk Density	0.9g/cc	

10.0 STABILITY AND REACTIVITY

CHEMICAL STABILITY

Stable under normal condition of handling, use and transport.

POSSIBILITY OF HAZARDOUS REACTIONS

None under normal processing.

Hazardous polymerization

Does not occur.

CONDITIONS TO AVOID

Heat and Water.

INCOMPATIBLE MATERIALS

Water causes production of gaseous carbon dioxide and a slowly reactive hydrogen peroxide.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon dioxide, Hydrogen peroxide

11.0 TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

Product Information

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.

Inhalation

Harmful by inhalation.

Eye Contact

Causes serious eye irritation.

Skin Contact

Prolonged contact may cause redness and irritation.

Ingestion

Harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
Oxone 70693-62-8	1204 mg/kg (rat)	➤ 11000 mg/kg (rabbit)	➤ 14 mg/L (rat) 1 h
Sodium Perborate Monohydrate 10332-33-9	770 – 2100 mg/kg (rat)	➤ 2000 mg/kg (rabbit)	-
Citric Acid 77-92-9	3000 mg/kg (rat)	-	-
Sodium Carbonate 497-19-8	4090 mg/kg (rat)	-	2300 mg/kg (Rat) 2h
Sodium Sulfate 7757-82-6	10000 mg/kg (rat)	-	-
Sodium Tripolyphosphate 7748-29-4	3100 mg/kg (rat)	➤ 7490 mg/kg (rabbit)	-
Sodium Lauryl Sulfoacetate 1847-58-1	700 mg/kg (rat)	-	-

INFORMATION ON TOXICOLOGICAL EFFECTS

No information available.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

Skin corrosion/irritation	Not Classified
Serious eye damage/eye irritation	Causes serious irritation to the eye
Irritation	Irritating to eyes and skin
Corrosivity	Not classified.
Sensitization	No sensitization responses were observed.
Germ cell mutagenicity	Not classified.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductivity Toxicity	Product is or contains a chemical which is a known or suspected reproductive hazard.
Developmental Toxicity	May damage fertility or the unborn child.
Teratogenicity	May cause harm to the unborn child.
STOT- single exposure	Not classified.
STOT – repeated exposure	Not classified.
Chronic Toxicity	No known effect.
Sub-chronic Toxicity	No known effect.
Target Organ Effects	No known effects under normal conditions.
Neurological Effects	Not applicable.

NUMERICAL MEASURES OF TOXICITY

See product information.

12.0 ECOLOGICAL INFORMATION

ECOTOXICITY

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Oxone 70693-62-8	-	32: 96 h Brachydanio rerio mg/L LC50 semi-static	5.3: 24 h Daphnia magna mg/L EC50
Citric Acid 77-92-8	-	1516: 96 h Lepomis macrochirus mg/L LC50 Static	120: 72 h Daphnia magna mg/L EC50
Sodium Carbonate 497-19-8	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static 310 – 1220: 96 h Pimephales promelas mg/L LC50 static	265: 48 h Daphnia magna mg/L EC50
Sodium Sulfate 7757-82-6	-	13500 – 14500: 96 h Pimephales promelas mg/L LC50 6800: 96 h Pimephales promelas mg/L LC50 static 3040 – 4380: 96 h Lepomis macrochirus mg/L LC50 static 13500: 96 h Lepomis macrochirus mg/L LC50	2564: 48 h Daphnia magna mg/L EC50 630: 96 h Daphnia magna mg/L EC50
Sodium Tripolyphosphate 7758-29-4	-	1650: 48 h Leuciscus idus mg/L LC50	-

Persistence and degradability

Not readily biodegradable.

Bioaccumulation

Not readily biodegradable.

Mobility

Citric Acid (77-92-9)

Soluble in water.

Partition coefficient -1.72

Other adverse effects

No information available

13.0 DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

DISPOSAL OF WASTE

Disposal should be in accordance with applicable regional, national and local laws and regulations. Dispose of contents/containers in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 61).

State of California Hazardous Waste Status

Sodium Carbonate (497-19-8) Corrosive

14.0 TRANSPORT INFORMATION

NOTE: THIS MATERIAL IS NOT SUBJECT TO REGULATION AS A HAZARDOUS MATERIAL FOR SHIPPING.

DOT

Not regulated

TDG

Not regulated

MEX

Not regulated

ICAO

Not regulated

IATA

Not regulated

IMDG

Not regulated

RID

Not regulated

ADR

Not regulated. European requirement only.

AND

Not regulated. European requirement only.

15.0 REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

TSCA

All of the components of this product are listed on the US TSCA (Toxic Substances Control Act) inventory or are exempt.

DSL/NDL

All of the components of this product are listed on the DSL.

**LEGEND**

TSCA – United States Toxic Substances Control Act Section 8b Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS – European Inventory of Existing chemical Substances/European List of Notified Chemical

ENCS – Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS – Phillipines Inventory of Chemicals and Chemical Substances

AICS – Australian Inventory of Chemical Substances

US FEDERAL REGULATION**SARA 313**

Section 303 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material as supplied does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

US STATE REGULATIONS**CALIFORNIA PROPOSITION 65**

This product does not contain any Proposition 65 chemicals.

US RIGHT TO KNOW REGULATIONS

Sodium Sulfate (7757-82-6)	Massachusetts and Pennsylvania
Sodium Tripolyphosphate (7758-29-4)	Massachusetts and Pennsylvania

US EPA LABEL INFORMATION

Not applicable.



16.0 OTHER INFORMATION

NFPA

Health Hazards	0
Flammability	0
Instability	0

HMIS

Health Hazards	0
Flammability	0
Physical Hazards	0
Personal Protection	E

Prepared by

Cypress Medical Products, LLC Quality Assurance

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of 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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