



# Safety Data Sheet

## Denture Cleansing Tablets

### Section 1. Identification

Product Identifier Denture Cleansing Tablets  
Synonyms MDS136405; MSD\_SDS0336  
Manufacturer Stock MDS136405  
Numbers

Recommended use Consumer use.  
Uses advised against No information available.

Manufacturer Contact Medline  
Address 3 Lakes Drive  
Northfield, IL, 60093  
USA

Phone  
(800) 633-5463

Emergency Phone  
(800) 424-9300  
CHEMTREC

Fax  
(847) 643-4436

Website  
[www.Medline.com](http://www.Medline.com)

### Section 2. Hazards Identification

Classification ACUTE TOXICITY - INHALATION - Category 4  
ACUTE TOXICITY - ORAL - Category 4  
EYE DAMAGE/IRRITATION - Category 2  
TOXIC TO REPRODUCTION - Category 1B

Signal Word Danger

Pictogram



Hazard Statements

Causes serious eye irritation  
Harmful if inhaled  
Harmful if swallowed  
May damage fertility or the unborn child.

Precautionary Statements

Response

If exposed or concerned: Get medical advice/attention.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If swallowed: Call a poison center/doctor/physician if you feel unwell.  
Immediately call a poison center or doctor/physician  
Rinse mouth.

Prevention

Avoid breathing dust.  
Do not eat, drink or smoke when using this product.  
Do not handle until all safety precautions have been read and understood.  
Obtain special instructions before use.  
Use only outdoors or in a well-ventilated area.  
Use personal protective equipment as required.  
Wash face, hands and any exposed skin thoroughly after handling.

Storage

N/A

Disposal

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

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

This is a low hazard product. However, chewing or swallowing the tablets or gargling with the solution may cause serious health effects. DO NOT take internally. Do not breathe dust. Keep out of eyes and avoid extended contact with skin to minimize chance of irritation.

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 Safety Data Sheet for more information regarding this product.

### Section 3. Ingredients

CAS	Ingredient Name	Weight %
497-19-8	Sodium carbonate	5% - 15%
7757-82-6	Sodium sulfate	0% - 25%
77-92-9	Citric Acid	0% - 20%
70693-62-8	Oxone	10% - 40%

10332-33-9	Sodium Perborate Monohydrate	10% - 30%
7758-29-4	Sodium Tripolyphosphate	1% - 3%
1847-58-1	Sodium Lauryl Sulfoacetate	0.1% - 1%

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. 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:	Notes to physician: Treat symptomatically.

## Section 5. 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 & precautions for firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## Section 6. Accidental Release Measures

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 for Containment:	Sweep up or vacuum. Collect material for disposal.
Methods for Cleaning Up:	Avoid creating dust. Sweep up and shovel into suitable containers for disposal.

## Section 7. Handling and Storage

Advice on Safe Handling:	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust. Wash thoroughly after handling.
Storage Conditions:	Keep away from heat. Protect from moisture.
Incompatible Materials:	Water causes production of gaseous carbon dioxide and a slowly reactive hydrogen peroxide.

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Sodium carbonate	N/A	N/A	N/A
	Sodium sulfate	N/A	N/A	N/A
	Citric Acid	N/A	N/A	N/A
	Oxone	N/A	N/A	N/A
	Sodium Perborate Monohydrate	N/A	N/A	N/A
	Sodium Tripolyphosphate	N/A	N/A	N/A
	Sodium Lauryl Sulfoacetate	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves			
Exposure Guidelines:	OSHA PELs for Particulates Not Otherwise Regulated (PNOR): 15 mg/m <sup>3</sup> TWA (total dust) 5 mg/m <sup>3</sup> TWA (respirable fraction)			
Engineering Controls:	Ventilation systems. Eyewash stations. Showers.			
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.			

## Section 9. Physical and Chemical Properties

Physical State	Solid Powder
Color	Blue, green, white or combination
Odor	Peppermint
Odor Threshold	N.A.
Solubility	Soluble in water
Partition coefficient Water/n-octanol	N.A.
VOC%	N/A
Viscosity	N.A.
Specific Gravity	N/A
Density lbs/Gal	0.9
Pounds per Cubic Foot	N/A
Flash Point	N.A.
FP Method	N.A.
pH	6 - 9
Melting Point	N.A.
Boiling Point	N.A.
Boiling Range	N.A.
LEL	N/A
UEL	N/A
Evaporation Rate	N.A.
Flammability	N.A.
Decomposition Temperature	N.A.
Auto-ignition Temperature	N.A.
Vapor Pressure	N.A.
Vapor Density	N.A.

Oxidizing Properties: Contains oxidizing compounds but in a form which reduces any hazard arising from their presence.

## Section 10. Stability and Reactivity

Reactivity: N.A.

Chemical Stability: Stable under normal conditions of handling, use and transportation.

Possibility of hazardous reactions: None under normal processing.

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to avoid: Heat. Water.

Incompatibility (Materials to Avoid) Water causes production of gaseous carbon dioxide and a slowly reactive hydrogen peroxide.

Hazardous Decomposition Products: Carbon dioxide (CO<sub>2</sub>). Hydrogen peroxide.

## Section 11. Toxicological Information

Product Information:	The product has not been tested. Toxicological testing has not been conducted for this product overall. Available toxicological data for individual ingredients are summarized below.
Component Information:	Oxone CAS-No. 70693-62-8 Oral LD50: =1204 mg/kg (Rat) Dermal LD50: >11000 mg/kg (Rabbit) Inhalation LC50: >14 mg/L (Rat) 1h  Sodium Perborate Monohydrate CAS-No. 10332-33-9 Oral LD50: 770 - 2100 mg/kg (Rat) Dermal LD50: 2000 mg/kg (Rabbit)  Citric acid CAS-No. 77-92-9 Oral LD50: =3000 mg/kg (Rat)  Sodium carbonate CAS-No. 497-19-8 Oral LD50: =4090 mg/kg (Rat) Inhalation LC50: =2300 mg/m3 (Rat) 2h  Sodium sulfate CAS-No. 7757-82-6 Oral LD50: >10000 mg/kg (Rat)  Sodium Tripolyphosphate CAS-No. 7758-29-4 Oral LD50: 3100 mg/kg (Rat) Dermal LD50: >7940 mg/kg (Rabbit)  Sodium Lauryl Sulfoacetate CAS-No. 1847-58-1 Oral LD50: =700 mg/kg (Rat)
Inhalation:	Harmful by inhalation.
Eye contact:	Causes serious eye irritation.
Skin Contact:	Prolonged contact may cause redness and irritation.
Ingestion:	Harmful if swallowed.
Information on Toxicological Effects:	Symptoms: No information available.
Skin corrosion/irritation:	Not classified.
Serious eye damage/eye irritation:	Causes serious eye irritation.
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.
Reproductive 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.

Specific Target Organ Toxicity - Single Exposure:	Not classified.
Specific Target Organ Toxicity - Repeated Exposure:	Not classified.
Chronic Toxicity:	No known effect.
Subchronic Toxicity:	No known effect.
Target Organ Effects:	No known effects under normal use conditions. Skin, Eyes, Reproductive System.
Neurological Effects:	None known
Aspiration hazard:	N.A.

## Section 12. Ecological Information

Ecotoxicity: The following table lists information related to aquatic toxicity.

Oxone CAS-No. 70693-62-8

Algae/aquatic plants: -

Fish: 32: 96 h Brachydanio rerio mg/L LC50 semi-static

Crustacea: 5.3: 24 h Daphnia magna mg/L EC50

Citric acid CAS-No. 77-92-9

Algae/aquatic plants: -

Fish: 1516: 96 h Lepomis macrochirus mg/L LC50 static

Crustacea: 120: 72 h Daphnia magna mg/L EC50

Sodium carbonate CAS-No. 497-19-8

Algae/aquatic plants: 242: 120 h Nitzschia mg/L EC50

Fish: 300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h

Pimephales promelas mg/L LC50 static

Crustacea: 265: 48 h Daphnia magna mg/L EC50

Sodium sulfate CAS-No. 7757-82-6

Algae/aquatic plants: -

Fish: 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 LC 50 static 13500: 96 h Lepomis macrochirus mg/L LC50

Crustacea: 2564: 48 h Daphnia magna mg/L EC50 630: 96 h Daphnia magna mg/L EC50

Sodium Tripolyphosphate CAS-No. 7758-29-4

Algae/aquatic plants: -

Fish: 1650: 48 h Leuciscus idus mg/L LC50

Crustacea: -

Persistence and degradability: Not readily biodegradable.

Bioaccumulation: Not readily biodegradable.

Mobility: Soluble in water.

Other adverse effects: No information available.

## Section 13. Disposal

Disposal of wastes: 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 261).

## Section 14. Transport Information

UN Number N/A  
UN Proper Shipping Name Not Regulated  
DOT Classification Not Regulated  
Packing Group Not Regulated  
IMDG: Not Regulated  
IATA: Not Regulated

## Section 15. Regulatory Information

SARA 311/312: Refer to Section 2 of the SDS.  
SARA 302: N.A.  
SARA 304: N.A.  
SARA 313: N.A.  
TSCA: All components are listed or exempt.  
CERCLA Hazardous Substance List: Sodium Tripolyphosphate.  
Clean Air Act (CAA) Section 112, 112 (r): N.A.  
Pennsylvania Right to Know Components: SODIUM SULFATE (SOLUTION).  
TRIPHOSPHORIC ACID, PENTASODIUM SALT.  
Massachusetts Right to Know Components: SODIUM PHOSPHATE, TRIBASIC.

## Section 16. Other Information

Revision Date 9/22/2022

Legend N.A. - Not Applicable  
N.E. - Not Established  
N.D. - Not Determined

HMIS (U.S.A.): Health 1  
HMIS (U.S.A.): Flammability 0  
HMIS (U.S.A.): Physical Hazard 0  
HMIS (U.S.A.): Personal Protection E  
National Fire Protection Association (U.S.A.): Health 0



Hazard  
National Fire Protection Association (U.S.A): Fire Hazard 0  
National Fire Protection Association (U.S.A): Instability Hazard 0  
National Fire Protection Association (U.S.A): Physical and Chemical Hazards: -

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