



Telephone: (845) 365-8200 * Website: www.dynarex.com
Toll Free: (888) DYNAREX * Website: www.thcnet.com
Fax: (845) 365-8201

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MATERIAL SAFETY DATA SHEET

Emergency or Information Phone No.: 888-DYNAREX or 845-365-8201 (M-F DAYTIME).
At other times, contact the local Poison Control Center

1. CHEMICAL PRODUCT

PRODUCT IDENTIFICATION: (Antibacterial) Denture Cleansing Tablets – **Reorder # 4877**

Therapeutic Use: Denture Cleaning

Description: Mixture of detergents, mild inorganic bleaching agents and auxiliary ingredients

CAS Number: Proprietary and not applicable to blends or mixtures.

2. HAZARDOUS INGREDIENTS

CAS Number	Ingredient Name	%Wt.	RQ	TLV	STEL
70693-62-8	Oxone [®] Potassium Monopersulfate	36	None	Not established	Not established
10332-33-9	Sodium Perborate Monohydrate	27	None	Not established	Not established
7757-82-6	Sodium Sulfate	Trade secret	None	Not established	Not established
497-19-8	Soda Ash	Trade secret	None	Not established	Not established
7758-29-4	Sodium Tripolyphosphate	Trade secret	None	Not established	Not established
1847-58-1	Sodium Lauryl Sulfoacetate	Trade secret	None	Not established	Not established

SARA § 313 CHEMICALS ABOVE DE MINIMIS CONCENTRATION: None

OSHA PELs for PARTICULATES NOT OTHERWISE REGULATED (PNOR):
15 mg/m³ TWA (total dust) and 5 mg/m³ TWA (respirable fraction)

COMPOSITION COMMENT:

When added to water, the product produces carbon dioxide bubbles for agitation, and a mild detergent and peroxide solution for cleaning.



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3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

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.

POTENTIAL HEALTH EFFECTS (ACUTE and CHRONIC):

ACUTE EXPOSURE

INHALATION:

Dust may irritate nasal passages and respiratory tract.

SKIN CONTACT:

May irritate skin on extended contact.

INGESTION:

Do not ingest tablets or place them in mouth. Do not ingest or gargle with solutions containing denture cleanser. Read and follow all usage directions.

Symptoms from ingestion may include:

- Damage to the esophagus
- Abdominal pain
- Burns
- Breathing problems
- Seizures
- Bleaching of tissue
- Blood in the urine
- Internal bleeding
- Vomiting

EYE CONTACT:

Can cause moderate to severe irritation.

CHRONIC EXPOSURE

This product contains persulfates, a known allergen. Allergic reactions can occur with both proper and improper use of these cleaners. Reactions may become more frequent and severe with repeated use of the product.

Symptoms of an allergic reaction may include:

- Irritation
- Tissue damage
- Rash
- Hives
- Gum tenderness
- Breathing problems
- Low blood pressure

AGGRAVATION OF PRE-EXISTING CONDITIONS:

No aggravation of any pre-existing conditions is known or expected.



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4. FIRST AID MEASURES

INHALATION FIRST AID:

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.

SKIN CONTACT FIRST AID:

If rash or irritation develops get medical attention. This is considered a highly unlikely event.

EYE CONTACT FIRST AID:

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.

INGESTION FIRST AID:

Do NOT induce vomiting. Give large amounts of water. Never give anything by mouth to an unconscious person. Call poison control center and get medical attention. This is considered a highly unlikely event.

STATEMENT OF PRACTICAL TREATMENT:

Always have plenty of water available for first aid. Get medical attention if any symptoms develop or persist.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Not flammable. Non hazardous decomposition may start at about 120° C.

FLAMMABLE LIMITS IN AIR, % BY VOLUME: Not applicable

AUTOIGNITION TEMPERATURE: Not applicable.

Ingredients include the oxidizing compounds listed above, but in a form which reduces any oxidation hazard arising from their presence.

EXTINGUISHING MEDIA:

Use equipment and procedures appropriate to the main source of the fire. Use copious amounts of water to extinguish fires.

FIRE & EXPLOSION HAZARDS:

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

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Physical form requires no obvious personal protective equipment when cleaning up spills. Wear a dust mask if particulate count exceeds limits, and wear gloves as appropriate.

SPILLS PROCEDURE:

Collect material for disposal.

ENVIRONMENTAL PRECAUTIONS:

Material is primarily inorganic, and thus not readily biodegradable. It is not considered to be an environmental hazard. Refer to Section 13 for Waste Disposal.



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7. HANDLING AND STORAGE

RECOMMENDED STORAGE CONDITIONS: Avoid conditions of heat and humidity.

SHELF LIFE: Shelf life depends largely on storage conditions. See product label for details.

HANDLING (PERSONNEL): Handle in accordance with good hygiene and safety procedures. Avoid breathing dust if present. Wash thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS: Refer to OSHA PELs for PNOR in Section 2 above.

VENTILATION SYSTEM: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. For details, please refer to the most recent edition of the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*.

PERSONAL RESPIRATORS (NIOSH APPROVED): If the respirable particulate exposure limit is exceeded, wear a NIOSH approved dust mask.

SKIN PROTECTION: Wear rubber gloves during industrial processing as extended contact may irritate skin.

EYE PROTECTION: When mechanically working with this product, goggles or safety glasses with side shields are recommended for airborne dust exposures in excess of the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES (based on typical material)

FORM: Loose or compressed powder

ODOR: Peppermint

SOLUBILITY IN WATER: Yes

MELTING / FREEZING POINT: Not applicable

AUTO IGNITION TEMPERATURE: Not applicable

FLASH POINT & METHOD: Not applicable

VOC: None

COLOR: Light blue

BOILING POINT: Not applicable

SPECIFIC GRAVITY: >1.0

EVAPORATION RATE: Not applicable

pH: Not applicable

VAPOR PRESSURE @ 72° F: Not applicable

10. STABILITY AND REACTIVITY DATA



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STABILITY: The material is stable if kept dry.

CONDITIONS TO AVOID: Heat can melt the material, but the small amount of oxygen which may be released from some of the ingredients is believed to offer little or no hazard. Flames and pyrolysis can break down some of the ingredients, but no hazard is anticipated.

POLYMERIZATION: Cannot occur.

INCOMPATIBILITY WITH OTHER MATERIALS: Water causes production of gaseous carbon dioxide and a solution of slowly reactive hydrogen peroxide.

DECOMPOSITION: See "INCOMPATIBILITY" above.

11. TOXICOLOGICAL INFORMATION

TOXICITY: There are no toxicological data for this material. Adverse health effects are neither known nor expected under normal use.

LOCAL EFFECTS: Dust may cause mechanical and chemical irritation to eyes and respiratory system.

SENSITIZATION: 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.

LONG TERM TOXICITY: Adverse health effects are neither known nor expected under normal use.

12. ECOLOGICAL INFORMATION

Material is primarily inorganic and thus not readily biodegradable. It offers no known environmental hazard under normal consumer use.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Unused material should be handled as non-hazardous waste and sent to an approved waste facility. However, processing, use, or contamination of this product may change the waste management options. Dispose of material in accordance with federal, state and local requirements. (State and local disposal regulations may differ from federal disposal regulations.)

CONTAMINATED MATERIALS: Wash contaminated clothing before reuse.

14. TRANSPORT INFORMATION



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Per recommended practices and procedures for land, sea, and air transportation as recognized by the:
US Dept. of Transportation (DOT)
International Maritime Organization (IMO)
International Civil Aviation Organization (ICAO)
PRODUCT LABEL: Antibacterial Denture Cleanser Tablets
PROPER SHIPPING NAME: Non-regulated material (CAS # 70693-62-8 and CAS # 10332-33-9:
Inorganic, Oxidizing Solid - NOS (not otherwise specified)
HAZARD CLASSIFICATION: Not applicable (CAS # 70693-62-8: 8, CAS # 10332-33-9: 5.1)
UN NUMBER: Non-regulated material (CAS # 70693-62-8: 3260, CAS # 10332-33-9: 1479)
PACKING GROUP: Not applicable (CAS # 70693-62-8: II, CAS # 10332-33-9: III)
PRODUCT RQ (LBS): None

15. REGULATORY INFORMATION

NFPA Rating: Health – 1 Flammability – 0 Physical Hazard – 1

NFPA numeric hazard values: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe

FEDERAL REGULATORY STATUS / HAZARDS DISCLOSURE:

This product contains no known hazardous materials in reportable levels as defined by OSHA
Hazard Communication Standard 29 CFR 1910.1200 and as defined under SARA § 311 and § 312.

POISONS SCHEDULE: None allocated

California Proposition 65: This product does not contain ingredients which are known to the State of
California to cause cancer, birth defects, or other reproductive harm.

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products
Regulations (CPR) and contains all of the information required by the CPR.

This material or all of its components are listed on the Inventory of Existing Chemical Substances under:
the Toxic Substance Control Act (TSCA), the Canadian Domestic Substances List (DSL), or
considered as having been notified under the European Inventory of Existing Chemical Substances
(EINECS). Other inventory lists: Japan (ENCS), Korea, Australia, China (Draft), Philippines (PICCS).

16. OTHER INFORMATION

HMIS Rating: Health – 1 Flammability – 0 Physical Hazard – 1 Personal Protective Equipment – E

HMIS numeric hazard values: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe

Protective Equipment: E = Safety glasses, gloves, and dust respirator under dust generating conditions.

ADDITIONAL INFORMATION:

Disclaimer: The information furnished herein is believed to be accurate and represents the
best data currently available to us. No warranty, expressed or implied, is made and Dynarex
Corp. assumes no legal responsibility or liability resulting from its use.

This MSDS has been compiled in accordance with - EC Directive 91/155/EC - OSHA's
Hazcom Standard (29 CFR 1910.1200)