

Safety Data Sheet

Date Issued: 3/25/14
Document Number: 0290-FD-MSDS-002
Date Revised: 3/25/14
Revision Number: 1

1. PRODUCT IDENTIFICATION

Trade Name (as labeled):	Insta-FRESH™
Chemical Name/Classification:	Insta-FRESH™
Product Identifier (Part/Item Number):	IF-XXX
U.N. Number:	N/A
U.N. Dangerous Goods Classification:	N/A
Recommended Use:	N/A
Restrictions on Use:	N/A
Manufacturer/Supplier Name:	Dentsply Raintree Essix
Manufacturer/Supplier Address:	7290 26th Court East, Sarasota, FL 34243
Manufacturer/Supplier Telephone Number:	800-883-8733 (Product Information)
Emergency Contact Telephone Number:	800-883-8733
Email address:	Sales@Essix.com

2. HAZARD(S) IDENTIFICATION

Hazard/Danger Classification:

Health	Environmental	Physical
N/A	N/A	N/A

Associated Hazards:

Hazard Statements	Precautionary Statements
N/A	N/A

EU Classification: N/A

EU Risk (R) and Safety (S) Phrases: N/A

Refer to Section 16 for the full text of the EU Classifications and R Phrases.

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.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Components	C.A.S. # EC#	IUPAC Name	Substance Classification	WT %
Potassium Monopersulfate	70693-62-8 N/A	N/A	N/A	22
Sodium Percarbonate	15630-89-4 N/A	N/A	N/A	9
Citric Acid	77-92-9 N/A	N/A	N/A	Trade secret
Sodium Sulfate	7757-82-6 N/A	N/A	N/A	Trade secret
Soda Ash	497-19-8 N/A	N/A	N/A	Trade secret

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.

Refer to Section 16 for the full text of the GHS and H phrases and EU Classifications and R Phrases.

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 get medical attention. This is considered a highly unlikely event.
Most important symptoms of exposure	N/A
Other	STATEMENT OF PRACTICAL TREATMENT: Always have plenty of water available for first aid. Get medical attention if any symptoms develop or persist.

DENSPLY
RAINTREE ESSIX

Note to Physicians (Treatment, Testing, and Monitoring): N/A

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Use equipment and procedures appropriate to the main source of the fire. Use copious amounts of water to extinguish fires.
Fire Fighting Procedures:	Use equipment and procedures appropriate to the main source of the fire. Use copious amounts of water to extinguish fires.
Specific Hazards Arising from the Chemical:	Dry product will react with water and effervesce. Wet product in tight containers may rupture. No significant hazard is expected.
Precautions for Fire Fighters:	N/A
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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, PPE and Emergency Procedures:	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.
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.
Methods and Materials for Containment and Clean-up:	Collect material for disposal.
Recommended Personal Protective Equipment for Containment and Clean-up:	N/A

7. HANDLING AND STORAGE

Precautions for Safe Handling:	HANDLING (PERSONNEL): Handle in accordance with good hygiene and safety procedures. Avoid breathing dust if present. Wash thoroughly after handling.
Conditions for Safe Storage:	RECOMMENDED STORAGE CONDITIONS: Avoid conditions of heat and humidity.
Shelf Life:	Shelf life depends largely on storage conditions. See product label for details.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: AIRBORNE EXPOSURE LIMITS: Refer to OSHA PELs for PNOR in Section 3 above.

Biological Exposure Limits: N/A

Appropriate Engineering Controls: 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*.

Individual Protection Measures (PPE)




Specific Eye/face Protection: 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.

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

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

Specific Thermal Hazards: N/A

Recommended Personal Protective Equipment

EYES/FACE	SKIN	RESPIRATORY	
			

Environmental Exposure Controls: 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*.

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

Protective Measures During Repair and Maintenance of Contaminated Equipment: N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

LENSPLY
RAINTREE ESSIX

Appearance:	Loose or compressed powder. Light blue	Explosive limits:	Not applicable
Odor:	Peppermint	Vapor pressure:	@ 72" F: Not applicable
Odor threshold:	Not applicable	Vapor density:	Not applicable
pH:	Not applicable	Relative density:	Not applicable
Melting/freezing point:	Not applicable	Solubility:	SOLUBILITY IN WATER: Yes
Initial boiling point and range:	Not applicable	Partition coefficient: n-octanol/water:	Not applicable
Flash point:	Not applicable	Auto ignition temperature:	Not applicable
Evaporation rate:	Not applicable	Decomposition temperature:	Not applicable
Flammability:	Not applicable	Viscosity:	Not applicable
Explosive Properties:	Not applicable	Oxidizing Properties:	Not applicable
VOC:	None	Specific Gravity:	>1.0

10. STABILITY AND REACTIVITY

Reactivity: N/A

Chemical Stability: The material is stable if kept dry.

Possibility of Hazardous Reactions: N/A

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.

Incompatible materials: Water causes production of gaseous carbon dioxide and a solution of slowly reactive hydrogen peroxide.

Hazardous Decomposition Products: See Incompatible materials above.

11. TOXICOLOGICAL INFORMATION

LENPLY

RAINTREE ESSIX

Signs and Symptoms of Overexposure: LOCAL EFFECTS: Dust may cause mechanical and chemical irritation to eyes and respiratory system.

Emergency Overview: N/A

Likely Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)	LD50 Testing Data (as applicable)	LC50 Testing Data (as applicable)
Eye:	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Skin:	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inhalation:	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ingestion:	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other:	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Medical Conditions Aggravated by Exposure: 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.

Carcinogenicity: N/A

12. ECOLOGICAL INFORMATION

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

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

Bio-accumulative Potential: N/A

Mobility in Soil: N/A

Other Adverse Effects: N/A

Results of PBT/vPvB Assessment: N/A

13. DISPOSAL CONSIDERATIONS

Regulations: : 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.)

Properties (Physical/Chemical) Affecting Disposal: N/A

Waste Treatment Recommendations: N/A

Contaminated Materials: Wash contaminated clothing before reuse.

14. TRANSPORT INFORMATION

UN Identification Number: Non-regulated material (CAS #70693-62-8:3260, CAS #10332-33-9: 1479)

UN Proper Shipping Name: Non-regulated material (CAS #70693-62-8 and CAS #10332-33-9: Inorganic, Oxidizing Solid – NOS (not otherwise specified)

Transport hazard class(es): Not applicable (CAS #70693-62-8: 8, CAS #10332-33-9: 5.1)

Packing Group: Packing Group: Not applicable (CAS #70693-62-8: II, CAS #10332-33-9: III)

Special precautions for user: N/A

Product RQ (LBS): None

Product Label: Antibacterial Denture Cleanser Tablets

15. REGULATORY INFORMATION

U.S. Federal Regulations

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): N/A

Toxic Substances Control Act (TSCA): Listed

Clean Water Act (CWA): N/A

Clean Air Act (CAA): N/A

Superfund Amendments and Reauthorization Act (SARA) Title III Information: N/A

SARA Section 311/312 (40 CFR 370) Hazard Categories: N/A

Immediate Hazard:	0	Pressure Hazard:	0
Delayed Hazard:	0	Reactivity Hazard:	0
Fire Hazard:	0		

NFPA Rating: Health- 1

Flammability- 0

Physical Hazard- 1

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

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):

Components	C.A.S. #	WT %
N/A	N/A	N/A

State Regulations

California: This product contains the following chemical(s) known to the State of California to cause cancer, birth

DENTSPLY

RAINTREE ESSIX

defects or reproductive harm: 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.

Components	C.A.S. #	WT %
N/A	N/A	N/A

FEDERAL REGULATORY STATUS / HAZARDS DISCLOSURE:

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

POISONS SCHEDULE: None allocated

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).

International Regulations

Canadian Environmental Protection Act: N/A

Canadian Workplace Hazardous Materials Information System (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.

European Inventory of Existing Chemicals (EINECS): N/A

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.

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process. This Material Safety Data Sheet (MSDS) has been reviewed to fully comply with the guidance contained in the ANSI MSDS Standard (ANSI Z400.1-1993).

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Dentsply Raintree Essix. The data on this sheet are related only to the specific material designated herein. Dentsply Raintree Essix assumes no legal responsibility for use or reliance upon these data.

Full text of Classification abbreviations used in Section 2 and 3:

Date of SDS Preparation/Revision: 03-25-14

Data Sources: Suppliers MSDS

END OF MSDS