

Material Safety Data Sheet

Removalon®-I Cleaner

MSDS, Rev. 5

Last revised: 09-March-2012

Approved for Use: 09-March-2009

1. Chemical product and company identification

Product Name: Removalon®-I Cleaner

Premier® Dental Products Company
1710 Romano Drive
Plymouth Meeting, PA 19462
PH: 610-239-6053 FAX 610-239-6171

2. Hazards Identification

Physical Hazards: None known.

Health Hazards (Acute and Chronic):

Eye Contact: Highly irritating; may also be abrasive.

Skin: Causes irritation to skin.

Inhalation: May irritate the upper respiratory tract and mucus membranes.

Ingestion: May cause irritation of the digestive tract. Extremely large oral dosages may produce gastrointestinal disturbances. Calcium deficiency in blood may result in severe cases of ingestion. Chronic or heavy acute ingestion may cause tooth enamel erosion.

Signs and Symptoms of Exposure:

Eye Contact: Burning, irritation, pain, and redness of eyes.

Skin Contact: Irritation may include redness, itching and pain.

Inhalation: Sneezing, coughing, shortness of breath.

Ingestion: Burning or irritation to mouth and esophagus, stomach pain or discomfort.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS #:	WT/WT %	EINECS #	R Phrases
Citric Acid	77-92-9	60-100	201-069-1	NE

4. First Aid Measures

Emergency and First Aid Procedures:

Skin contact: Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash clothing before re-use.

Eye contact: Flush with copious amounts of tap water for 15 minutes; seek medical attention.

Ingestion: If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Inhalation: Remove to fresh air. If having difficulty breathing, contact emergency personnel immediately.

Notes to Medical Doctor: No additional information available.

5. Fire-Fighting Measures

Flash Point (Method Used): N/A **Explosive Limits:** *LEL:* N/A *UEL:* N/A

Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Fire Fighting Procedures:

Use self contained breathing apparatus and protective equipment.

Fire/Explosion Hazards::

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Sensitivity to Impact: None

Sensitivity to Static Discharge: None

6. Accidental Release Measures

Personal Precautions: Refer to Section 8

Environmental Precautions: None

Clean-up Procedures: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust. Do not let this chemical enter the environment.

7. Handling and Storage

Handling Requirements: Keep out of reach of children. Avoid dust formation and control ignition sources. Do not get in eyes, on skin, or on clothing.

Storage Conditions: Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Do not store in aluminum, carbon steel, copper, copper alloys, zinc or nickel containers.

Suitable Packaging: Plastics, stainless steel

8. Exposure Controls / Personal Protection

Exposure Guidelines:

Federal guidelines treat the ingredient(s) in this product as a nuisance dust, as no product-specific guidelines have been issued for exposure.

Particulates Not Otherwise Regulated:

OSHA (PEL/TWA): 15 mg/m³ (total dust); 5 mg/m³ (resp fraction)

Engineering Controls: Provide local exhaust ventilation.

Respiratory Protection: None required for expected product use.

Hand/Skin Protection: Protective gloves and body-covering clothing recommended.

Eye Protection: Safety glasses recommended. Have eye-wash facilities immediately available.

General Hygiene Considerations: Wash hands thoroughly after handling. Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use.

9. Physical and Chemical Properties

Boiling Point: N/A (powder)

Vapor Pressure (mmHg): N/A

Vapor Density (Air-1): N/A

Order Threshold: N/A

Coefficient of Water/Oil Distribution: N/A

Scooped Density: N/A

Appearance and Odor: Blue/green powder and granules, greenish blue in solution. No significant odor.

Specific Gravity (H₂O=1): N/D

Percent Volatile by Volume (%): N/A

Evaporation Rate (nBuOAc-1): N/D

Freezing Point: N/A (powder)

pH (1% solution): 2.2-2.8

Solubility in Water: >10%

Reserve Alkalinity: N/D

10. Stability and Reactivity

Stability: This product is stable under ordinary use and storage conditions.

Incompatibility (Materials to Avoid):

Metal nitrates (potentially explosive reaction), alkali carbonates and bicarbonates, potassium tartrate, Acids, ferric salts, strong oxidizers. Will corrode copper, zinc, aluminum and their alloys.

Hazardous Decomposition/By Products:

Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur

Conditions to Avoid: Avoid heat, flames, ignition sources and incompatibles.

Other Recommendations: Read and follow all directions for use.

11. Toxicological Information

ACUTE EFFECTS

Eye Effects: For Citric Acid: Rabbit: 750 ug/24H severe

Skin Effects: For Citric Acid: Rabbit: rabbit: 500 mg/24H mild

Dermal LD50: No data available for the product.

Oral LD50: For Citric Acid: Rat: 3 gm/kg

Inhalation LC50: No data available for the product.

Sensitization: No data available for the product.

CHRONIC EFFECTS

Carcinogenicity: None of the components of this material are listed by IARC, NTP, OSHA, or ACGIH as carcinogens.

Mutagenicity: No data available for the product.

Reproductive Effects: No data available for the product.

Developmental Effects: No data available for the product.

12. Ecological Information

Ecotoxicological Information: No data available for the product.

Mobility: No data available for the product.

Persistence and Degradability: No data available for the product.

Bioaccumulative Potential: No data available for the product.

Other Adverse Effects: No data available for the product.

13. Disposal Considerations:

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use, or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information:

DOT GROUND TRANSPORT

PROPER SHIPPING NAME:	Not regulated.
TECHNICAL NAME:	NA
HAZARD CLASS:	NA
UN/NA NUMBER:	NA
PACKING GROUP:	NA
MARINE POLLUTANT:	No

15. Regulatory Information:

UNITED STATES

29CFR 1910.1200 (OSHA): Hazardous

SARA SECTION 302 (40 CFR 355, APPENDIX A): Not listed

SECTION 311/312 HAZARD CATEGORIES (40 CFR 370): Immediate (Acute) Health Hazard

SECTION 313 REPORTABLE INGREDIENTS (40 CFR 372): Not listed

CERCLA REPORTABLE QUANTITIES (RQ) (40 CFR 302.4): Not listed

TSCA INVENTORY STATUS (40 CFR 710): Listed

CALIFORNIA PROPOSITION 65: This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

CANADA

WHMIS Hazard Classification/Division: E

Ingredient Disclosure List: Listed

Domestic Substance List: Listed

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

EINECS INVENTORY STATUS: Listed

HAZARD AND RISK PHRASE DESCRIPTIONS:

Hazard Symbols: No data available.

Risk Phrases: No data available.

Safety Phrases: No data available.

16. Other Information

Hazard Rating:	Health:	2	4=EXTREME
	Flammability:	1	3=HIGH
	Reactivity:	0	2=MODERATE
			1=SLIGHT

REVISION SUMMARY: This MSDS replace Rev 3 issued in 1/08/06. The format has been updated for compliance with various regulatory bodies. Data changes/additions are noted in the following Sections: 1-4, 7, 8, 10, 11-16.

This information is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, or the results to be obtained from use thereof. In no event will the manufacturer or distributor be responsible for damages of any nature whatsoever resulting from the use of, or reliance upon this information. General properties described herein are to be regarded as guides and are not guaranteed for all samples.

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