

SAFETY DATA SHEET

Removalon[®]-I Cleaner

*1. Identification

Product Name: Removalon[®]-I Cleaner
Premier[®] Dental Products Company
1710 Romano Drive
Plymouth Meeting, PA 19462
Phone: 610-239-6000 Fax: 610-239-6171
Emergency Phone: 610-239-6000

Recommended Use: Cement Remover

Restrictions for Use: No known restrictions

2. Hazard(s) Identification

Classification of the substance or mixture



Causes serious eye irritation.

Label elements

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



Signal word Warning

Hazard statements

Causes serious eye irritation.

Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Classification system:

NFPA ratings (scale 0 - 4)



Health = 2

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = 2

Fire = 1

Reactivity = 0

*3. Composition/Information on Ingredients

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous Components:

77-92-9	citric acid	 Eye Irrit. 2A, H319	60-100%
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*4. First-Aid Measures

Description of first aid measures

After inhalation:

Take affected persons into fresh air and keep quiet.

If having difficulty breathing, contact emergency personnel immediately

After skin contact:

Remove contaminated clothing. Wash clothing before reuse. If irritation occurs consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes.

Seek medical treatment.

After swallowing:

Seek immediate medical advice.

Induce vomiting and call for medical help.

Never give anything by mouth to an unconscious person

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Fire-Fighting Measures*Extinguishing media****Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

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

Advice for firefighters

Protective equipment: Full protective clothing and self-contained breathing apparatus should be worn.

***6. Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures Not required.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up: Pick up mechanically.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

***7. Handling and Storage**

Precautions for safe handling Avoid contact with skin, eyes and clothing

Information about protection against explosions and fires:

Avoid dust formation and control ignition sources.

Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Keep container tightly closed.

Store in a well ventilated place.

Store in a cool, dry place.

Do not store in aluminum, carbon steel, copper, copper alloys, fiberglass, brass, zinc, nickel or galvanized containers.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Keep receptacle tightly sealed.

Use plastics or stainless steel for suitable packaging.

Specific end use(s) No further relevant information available.

***8. Exposure Controls/Personal Protection**

Additional information about design of technical systems: No further data; see section 7.

Control parameters**Components with occupational exposure limits:**

Federal guidelines suggest to treat the ingredient in this product as a nuisance dust, as no product specific guidelines have been issued for exposure.

Particulated Not Otherwise Regulated: OSHA (PEL?TWA): 15 mg/m³ (total dust); 5 mg/m³ (resp fraction)

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Where acceptable concentrations cannot be maintained by general mechanical ventilation, local exhaust ventilation is recommended.

Personal protective equipment:**General protective and hygienic measures:**

Keep away from tobacco products.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Breathing equipment: Not required.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Select glove material based on penetration times, rates of diffusion and degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

Eye protection:

Have a safety shower and eyewash fountain readily available in the immediate work area

Safety glasses

Body protection: Protective work clothing

9. Physical and Chemical Properties*Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Crystalline powder
Color:	Blue green
Odor:	No significant odor
Odor threshold:	Not determined.
pH-value:	2.6

Change in condition

Melting point/Melting range: Not determined.

Boiling point/Boiling range: Not determined.

Flash point: Not applicable.

Flammability (solid, gaseous): Not determined.

Ignition temperature:

Decomposition temperature: Not determined.

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.

Upper: Not determined.

Vapor pressure: Not applicable.

Density: Not determined.

Relative density Not determined.

Vapour density Not applicable.

Evaporation rate Not applicable.

Solubility in / Miscibility with**Water:** >10%**Partition coefficient (n-octanol/water):** Not determined.**Viscosity:****Dynamic:** Not applicable.**Kinematic:** Not applicable.**Solvent content:****Solids content:** 100.0 %**Other information** No further relevant information available.***10. Stability and Reactivity****Reactivity:** No further relevant information available.**Chemical stability:** Product is stable under normal conditions.**Thermal decomposition/conditions to be avoided:**

Carbon dioxide and carbon monoxide may form when heated to decomposition

Possibility of hazardous reactions: No dangerous reactions known.**Conditions to avoid:** Heat, flame and ignition sources.**Incompatible materials:**

Metal nitrates (potentially explosive reaction), alkali carbonates and bicarbonates, potassium tartrate, strong oxidizers, nitric acid and chlorine. Will corrode copper, zinc, aluminum and their alloys. Solutions of this material are strong acids and react violently with bases.

Hazardous decomposition products:

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

11. Toxicological Information*Information on toxicological effects****Acute toxicity:****LD/LC50 values that are relevant for classification:****77-92-9 citric acid**

Oral LD5 5040 mg/kg (mouse)

Primary irritant effect:**on the skin:** Causes skin irritation**on the eye:** Irritating effect.**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

Carcinogenic categories**IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12. Ecological Information**Toxicity****Aquatic toxicity:** No further relevant information available.**Persistence and degradability** No further relevant information available.**Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

***13. Disposal Considerations:**

Waste treatment methods

Recommendation:

Observe all federal, state and local environmental regulations when disposing of this material.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

***14. Transport Information:**

UN-Number

DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA

Class: Non-Regulated Material

Packing group

DOT, ADR, IMDG, IATA: Non-Regulated Material

Environmental hazards:

Marine pollutant: No

Special precautions for user: Not applicable

Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code: Not applicable.

UN "Model Regulation": -

15. Regulatory Information:

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara

Section 355 (extremely hazardous substances):
None of the ingredients is listed.
Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.
TSCA (Toxic Substances Control Act):
All ingredients are listed.
Proposition 65
Chemicals known to cause cancer:
None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.
Chemicals known to cause developmental toxicity:
None of the ingredients is listed.
Carcinogenic categories
EPA (Environmental Protection Agency)
None of the ingredients is listed.
TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



Signal word Warning

Hazard statements

Causes serious eye irritation


Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

National regulations:			
The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.			
State Right to Know			
77-92-9	citric acid	 Eye Irrit. 2A, H319	60-100%
All ingredients are listed.			

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Premier's revision date: 08-21-2014

Revision Number: 4

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

*** Data compared to the previous version altered.**

SDS created by MSDS Authoring Services

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