

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

070421719

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

079011107

# SAFETY DATA SHEET

## VACU BLAST

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### 1. Product and Company Identification

**Product Name:** VACU BLAST

**Product Number:** 9011107

**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:** Evacuation System Cleaner

**Restriction for Use:** No known restrictions

### 2. Hazard Identification

Classification of the substance or mixture



Corrosion

Causes serious eye damage



Harmful if swallowed.

Causes skin irritation.

May cause an allergic reaction.

#### Label elements

##### GHS label elements

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

##### Hazard pictograms



**Signal word:** Danger

##### Hazard-determining components of labeling:

Tetrasodium ethylenediaminetetraacetate

##### Hazard statements

Harmful if swallowed.

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

##### Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray.

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 SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of water. If skin irritation continues or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

Specific treatment (see on this label)

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Classification system:****NFPA ratings (scale 0 - 4)**

Health = 2  
 Fire = 0  
 Reactivity = 0

**HMIS-ratings (scale 0 - 4)**

Health = 2  
 Fire = 0  
 Reactivity = 0

**3. Composition/Information on Ingredients****Chemical characterization: Mixtures**

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

***Dangerous Components:***

CAS No.	Description	% Range	GHS-US classification
CAS: 7732-18-5	Water	30-60%	
CAS: NA	Surfactants	15-40%	Skin Irrit. 2 Eye Irrit. 2A
CAS: 64-02-8	Tetrasodium ethylenediaminetetraacetate	5-15%	Eye Dam. 1 Acute Tox. 1
CAS: 527-07-1	Sodium Gluconate	5-15%	Skin Irrit. 2 Eye Irrit. 2A
CAS: 1300-72-7	Sodium Xylenesulfonate	<5%	Eye Irrit. 2 Skin Irrit. 2

**4. First Aid Information****Description of first aid measures****General information:**

Symptoms of poisoning may occur after several hours; therefore medical observation for at least 48 hours after the accident.

***After swallowing:***

Do NOT Induce vomiting and call for medical help.  
 Never give anything by mouth to an unconscious person  
 Immediately call a doctor.

***After eye contact:***

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

***After skin contact:***

Immediately wash with water and soap and rinse thoroughly.  
 Remove contaminated clothing. Wash clothing before reuse.  
 If irritation occurs consult a doctor.

***After inhalation:***

If having difficulty breathing, contact emergency personnel immediately  
 Supply fresh air and to be sure call for a doctor.  
 In case of unconsciousness, place patient securely on side position for transportation.

***Most important symptoms and effects, both acute and delayed***

No further relevant information available.

***Information for doctor:***

This product contains sodium carbonate at low concentrations. While no adverse complications are expected, consider endoscopy in all suspected cases of poisoning. Perform blood analysis to determine if dehydration, acidosis, or other electrolyte imbalances occurred.

***Indication of any immediate medical attention and special treatment needed***

No further relevant information available.

## 5. Fire-Fighting Information

### Extinguishing media

#### *Suitable extinguishing agents:*

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

#### *Special hazards arising from the substance or mixture*

No further relevant information available.

### Advice for firefighters

#### *Protective equipment:*

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

## 6. Accidental Release Information

### *Personal precautions, protective equipment and emergency procedures:*

Refer to section 8

### *Environmental precautions:*

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

### *Methods and material for containment and cleaning up:*

Dispose contaminated material as waste according to section 13.

### *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:

Emergency showers or eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use only in well ventilated areas, avoid contact with eyes, skin and inhalation. Use personal protective equipment. Do not eat, drink or smoke when using this product.

### *Information about protection against explosions and fires:*

No special measures required.

### 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.

#### *Information about storage in one common storage facility:*

Not required.

#### *Further information about storage conditions:*

Use plastics or stainless steel for suitable packaging.

#### *Precautions for safe handling:*

Avoid contact with skin, eyes and clothing

#### *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. Particulates Not Otherwise Regulated: OSHA (PEL/TWA): 15 mg/m<sup>3</sup> (total dust); 5 mg/m<sup>3</sup> (resp fraction)

#### *Additional information:*

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

## Exposure controls

### **Personal protective equipment:**

#### **General protective and hygienic measures:**

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 skin.  
Avoid contact with the eyes and skin.

**Breathing equipment:** Not required.

#### **Protection of hands:**



Protective Gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture.  
Select glove material based on penetration times, rates of diffusion and degradation.

#### **Material of gloves**

The selection of the suitable gloves depends on the material, and marks of quality, and varies from manufacturer to manufacturer.

#### **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:**



Protective Goggles

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

**Body protection:** Protective work clothing and mask



Protective Work Clothing

Immediately remove all soiled and contaminated clothing.  
Avoid inhalation or swallowing.



Protective Mask

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

#### General Information

##### **Appearance:**

Form:	Liquid	Color:	Green
Odor:	Lemon/Lime	Odor threshold:	Not determined
pH-value @ 20° C (68° F):	8.5		

**Change in condition:** Not determined.  
Melting point/Melting range:  
Boiling point/Boiling range: 101° C (214° F)

**Ignition temperature:** Not determined.  
Decomposition temperature:

**Flash point:** Not applicable  
**Flammability (solid, gaseous):** Not determined

**Auto igniting:** Product is not self igniting.

**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  
**Evaporation rate:** Not applicable

**Relative density:** Not determined  
**Vapor density:** Not applicable

**Solubility in / Miscibility with Water:** Completely  
**Partition coefficient (n-octanol/water):** Not determined

**Viscosity:**  
**Dynamic:** Not applicable  
**Kinematic:** Not applicable

**Solvent content:**  
**Organic solvents:** 0.0%

**Solids content:** 0.0%  
**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

**Conditions to avoid:**

Avoid strong oxidizing agents, aluminum, heat, moisture and other incompatible materials as stated above.

**Incompatible materials:**

Avoid oxidizing agents and acids. Avoid contact with bare aluminum. Flammable hydrogen gas may be produced in contact with bare aluminum. Sodium carbonate reacts with fluorine, aluminum, phosphorous pentoxide, sulfuric acid, zinc, lithium, moisture, calcium hydroxide and 2,4,6-trinitrotoluene and reacts violently with acid to form carbon dioxide.

**Hazardous decomposition products:**

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

## 11. Toxicological Information

**Information on toxicological effects**

**Primary irritant effect:**

**On the skin:** Irritant to skin and mucous membranes.

**On the eye:** Strong irritant with the danger of severe eye injury.

**Sensitization:** Sensitization possible through skin contact.

**Additional toxicological information:**

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

Harmful

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:*

Persistence and degradability  
Bioaccumulative potential  
Mobility in soil

Toxic to aquatic life  
No further relevant information available.  
No further relevant information available.  
No further relevant information available.

#### *Additional ecological information:*

##### *General notes:*

Water hazard class 2: hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.

#### *Results of PBT and vPvB assessment*

PBT: Not applicable  
vPvB: Not applicable  
Other adverse effects: No further relevant information available.

## 13. Disposal Considerations

### Waste disposal methods

Waste disposal 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.

Un-cleaned packaging:  
Recommendation: Disposal must be made according to official regulations.  
Recommended cleansing agent: Water, if necessary with cleansing agents.

## 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":*

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## 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):**

None of the ingredients is 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 Global Harmonized System (GHS).

**Hazard pictograms**



Signal word: Danger

**Hazard statements**

Harmful if swallowed

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

**Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray.

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 SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of water. If skin irritation continues or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.





Specific treatment (see on this label).

Dispose of contents/container in accordance with local/regional/national/international regulations.





**National Regulations**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

**State Right to Know**

CAS No.	Description	% Range	GHS-US classification
CAS: 7732-18-5	Water	30-60%	
CAS: NA	Surfactants	15-40%	 Skin Irrit. 2  Eye Irrit. 2A
CAS: 64-02-8	Tetrasodium ethylenediaminetetraacetate	5-15%	 Eye Dam. 1  Acute Tox. 1



CAS: 527-07-1	Sodium Gluconate	5-15%	 Skin Irrit. 2  Eye Irrit. 2A
CAS: 1300-72-7	Sodium Xylenesulfonate	<5%	 Eye Irrit. 2  Skin Irrit. 2
All ingredients are listed. <b>Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.			

## 16. Other Information

**Premier's revision date:** 03/24/2015

**Revision number:** 1

### *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
Acute Tox. 1:	Acute toxicity, Hazard Category 1
Skin Irrit. 2:	Skin corrosion/irritation
Eye Dam. 1:	Serious eye damage/eye irritation
Eye Irrit. 2:	Serious eye damage/eye irritation
Eye Irrit. 2A:	Serious eye damage/eye irritation

Revision Summary                      Complies with GHS OSHA requirements.

**Supplier's date:** 02/18/2015

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