

SAFETY DATA SHEET

VACU BLAST

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:

CO₂, 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/m³ (total dust); 5 mg/m³ (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



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Hazard statements

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Precautionary statements

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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
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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. Chemical safety assessment: 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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