# SAFETY DATA SHEET.

Issuing date 14-Oct-2015 Revision Date 14-Oct-2015 Version 1

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name VITAL-ICE PULP VITALITY SPRAY

Recommended use of the chemical

and restrictions on use

Product code PE-VI-01

Product Type Non-flammable aerosol

Synonyms None

Supplier's details

Recommended Use Pulp Vitality Spray.
Uses advised against No information available

Manufacturer

Pac-Dent International Inc. 670 Endeavor Circle Brea, CA 92821 909-839-0888

Emergency telephone number

**Chemical Emergency Phone** 

Number

**Company Emergency Phone** 

Number

Chemtrec 1-800-262-8200 ID 1195

909-839-0888

# 2. HAZARDS IDENTIFICATION

### Classification

Gases under pressure Compressed Gas

# GHS Label elements, including precautionary statements

## **Emergency Overview**

#### WARNING

#### **Hazard Statements**

Contains gas under pressure; may explode if heated



Appearance opaque

Physical state Aerosol

**Odor** Peppermint Scent

# **Precautionary Statements - Storage**

Protect from sunlight. Store in a well-ventilated place

### Hazards not otherwise classified (HNOC)

None

#### Other information

1.7E-06% of the mixture consists of ingredient(s) of unknown toxicity

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

	Chemical Name	CAS-No	Weight %*
I	1,1,1,2-TETRAFLUORETHANE	811-97-2	90-100

<sup>\*</sup>The exact percentage (concentration) of composition has been withheld as a trade secret.

# 4. FIRST AID MEASURES

# First aid measures for different exposure routes

General advice Avoid contact with eyes, skin, and clothing. Avoid breathing, vapors, mist, or gas.

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and Eye contact

continue flushing for at least 15 minutes. Seek immediate medical attention/advice.

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Skin contact Wash off immediately with soap and plenty of water. Remove and wash contaminated

clothing before re-use. Get medical attention immediately if symptoms occur.

**Inhalation** Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped,

contact emergency medical services immediately.

**Ingestion** Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an

unconscious person. Risk of product entering the lungs on vomiting after ingestion.

### Most important symptoms/effects, acute and delayed

Main Symptoms Not applicable.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

# 5. FIRE-FIGHTING MEASURES

#### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Decomposition by contact with water may generate vapors which can be ignited by heat or

open flame.

# Specific hazards arising from the chemical

**Explosion Data** 

Sensitivity to Mechanical Impact none. Sensitivity to Static Discharge none.

#### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

# Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

**Environmental precautions** 

**Environmental precautions**Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in

low areas.

# Methods and materials for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

# 7. HANDLING AND STORAGE

#### Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

# Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products**None known based on information supplied.

Aerosol Level

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# Control parameters

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits

established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
1,1,1,2-TETRAFLUORETHANE	TWA: 1000 ppm 8 hours.	-	-
811-97-2			

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

**Exposure controls** 

Engineering Measures Showers

Eyewash stations Ventilation systems.

#### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Safety glasses with side-shields.

**Skin and body protection** Chemical resistant apron. Protective gloves.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

No information available

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Physical and chemical properties

Physical state Aerosol Appearance opaque

Appearance opaque Odor Peppermint Scent Color Odor Threshold

Property Values

pH No information available
Melting/freezing point No information available
Boiling point/boiling range No information available
Flash Point No information available
Evaporation rate No information available

Flammability (solid, gas)
Flammability Limits in Air

upper flammability limitNo information availablelower flammability limitNo information availableVapor pressureNo information availableVapor densityNo information available

Specific Gravity 1.25

Water solubility Practically insoluble

Partition coefficient: n-octanol/water

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**Autoignition temperature** 

**Decomposition temperature** 

No information available

**Viscosity** 

**Explosive properties** 

No information available

Other information

VOC Content(%) 0.06

# 10. STABILITY AND REACTIVITY

### Reactivity

No data available

#### **Chemical stability**

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

None under normal processing.

# **Conditions to Avoid**

Extremes of temperature and direct sunlight.

#### **Incompatible Materials**

None known based on information supplied.

# **Hazardous Decomposition Products**

Carbon oxides. Fumes. Hydrocarbons.

# 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

#### **Product Information**

Inhalation Avoid breathing vapors or mists.

Eye contact Avoid contact with eyes and skin.

Avoid contact with skin. Skin contact

Ingestion Do not taste or swallow.

**Component Information** 

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation	
1,1,1,2-TETRAFLUORETHANE	-	-	= 1500 g/m <sup>3</sup> (Rat) 4 h	
811-97-2				

#### Information on toxicological effects

**Symptoms** None under normal use.

# Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization None known. **Germ Cell Mutagenicity** None known.

Carcinogenicity There are no known carcinogenic chemicals in this product.

This product does not contain any known or suspected reproductive hazards. Reproductive toxicity None under normal use conditions.

Specific target organ systemic

toxicity (single exposure)

Specific target organ systemic toxicity (repeated exposure)

None under normal use conditions.

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**Chronic toxicity** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or

fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and

potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis.

Not applicable.

Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity** 1.7E-06% of the mixture consists of ingredient(s) of unknown toxicity

# 12. ECOLOGICAL INFORMATION

**Ecotoxicity** 

**Aspiration hazard** 

Persistence and degradability

### **Bioaccumulation**

Chemical Name	log Pow
1,1,1,2-TETRAFLUORETHANE	1.06
811-97-2	

No information available Other adverse effects

# 13. DISPOSAL CONSIDERATIONS

**Waste treatment** 

**Waste Disposal Methods** It must undergo special treatment, e.g. at suitable disposal site, to comply with local

regulations.

Do not re-use empty containers. Contaminated packaging

# 14. TRANSPORT INFORMATION

CONSUMER COMMODITY ORM-D **DOT Ground** 

LIMITED QUANTITY

**IATA** UN1950, AEROSOLS, 2.2,LTD. QTY.

**IMDG** UN1950, AEROSOLS, 2.2,LTD. QTY.

# 15. REGULATORY INFORMATION

# **International Inventories**

Chemical Name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
1,1,1,2-TETRAFLUOR	Х	Х	Х	Х	Х	Х	Х	Х

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#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**CHINA** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

# **U.S. Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

Acute Health Hazard	no
Chronic Health Hazard	no
Fire Hazard	no
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	no

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### **U.S. State Regulations**

#### **California Proposition 65**

This product does not contain any known Proposition 65 chemicals.

### **U.S. State Right-to-Know Regulations**

EPA Pesticide Registration Number Not applicable

# Canada

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

16. OTHER INFORMATION						
NFPA_	Health Hazard 1	Flammability 0	Instability 0	Physical and chemical hazards		
<u>HMIS</u>	Health Hazard 1	Flammability 0	Physical Hazard 0	Personal protection N/A		

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### **Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet** 

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