



SAFETY DATA SHEET

Issuing Date 28 May-2015

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ECR# 23578

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

GHS product identifier

Product Name Porcelock/Revitalize Etchant

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Professional Dental

Uses advised against No information available

Supplier's details

Supplier Address

DenMat
1017 W. Central Ave.
Lompoc, CA 93436
TEL: 805-346-3700

Emergency telephone number

Emergency Telephone Number 805-346-3700

2. HAZARDS IDENTIFICATION

Classification

GHS Label elements, including precautionary statements



Appearance Blue/Green

Physical State Liquid.

Odor unpleasant, do not smell

Hazard statement(s)

- H331: Toxic if inhaled.
- H301: Toxic if swallowed.
- H311: Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.

Precautionary statement(s)

- P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
hydrofluoric acid	7664-39-3	2.9%	

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

- Eye Contact** Remove contact lenses before flushing. With eyelids held open, flush immediately with lukewarm water for at least 15 minutes. DO NOT use an eye ointment. If a physician is not immediately available, apply 1-2 drops of 0.5% Pontocaine Hydrochloride solution. Get immediate medical attention.
- Ingestion** DO NOT INDUCE VOMITING -SEEK MEDICAL ADVICE IMMEDIATELY!
Rinse mouth thoroughly and give large amounts of milk or water if person is conscious. Get immediate medical attention.
- Skin Contact** Flush skin with large amounts of water and remove contaminated clothing, watches, etc. Skin exposures can be treated with a 2.5% calcium gluconate gel repeated until burning ceases. Get immediate medical attention for all burns, regardless of how minor they may seem.
- Inhalation** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical attention.

Indication of immediate medical attention and special treatment needed, if necessary**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific Hazards Arising from the Chemical

Hydrogen fluoride

Explosion Data

Sensitivity to Mechanical Impact

None.

Sensitivity to Static Discharge

None

Protective Equipment and Precautions for Firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight from a protected location or safe distance.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Ensure adequate ventilation. Avoid breathing vapors or mists.
Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

Environmental Precautions

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Environmental Precautions

Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up**Special protective equipment**

Wear suitable protective clothing, glove and eye/face protection

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****Handling**

Ensure adequate ventilation. Will attack glass and porcelain. Do not contact any spills or diluted . Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

Conditions for safe storage, including any incompatibilities**Storage**

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

Incompatible Products

Strong acids. Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrofluoric Acid 7664-39-3	0.5 ppm	3 ppm	Not established

Appropriate engineering controls

Engineering Measures Showers
 Eyewash stations
 Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields. Tightly fitting safety goggles.
Skin and Body Protection Long sleeved clothing. Impervious 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. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid (paste)	Appearance	White/clearish/off-white
Odor	None	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	Strongly acidic	None known
Melting Point/Range	<0° C	None known
Boiling Point/ Range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	1.03 @ 25°C	None known
Water Solubility	Slightly soluble	None known
Solubility in other solvents	Not soluble	None known

Information on basic physical and chemical properties

Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	Thin gel	

Flammable Properties Not flammable

Explosive Properties No data available
Oxidizing Properties No data available

Other information

VOC Content (%) None

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use.

Porcelock - Revitalize Etchant
Chemical stability

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Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Glass contact, strong bases or organic anhydrides

Incompatible materials

Strong acids. Strong oxidizing agents.

Hazardous decomposition products

Fluorine gas on decomposition and hydrogen gas formed in contact with metals. Corrosive vapors may be formed during heating.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Acute Toxicity: LD50 not determined

Delayed and immediate effects and also chronic effects from short and long term exposure

<p>Sensitization Mutagenic Effects Carcinogenicity</p>	<p>No information available. No information available. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.</p> <p>ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen</p>
<p>Reproductive Toxicity STOT - single exposure STOT - repeated exposure Target Organ Effects</p>	<p>No information available. No information available. No information available. Eyes. Respiratory system.</p>

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Persistence and Degradability No information available.

Bioaccumulation No information available.

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT

UN-Number	2922
Shipping name	Corrosive Liquid, Toxic n.o.s. (Hydrofluoric acid mixture)
Hazard Class	8(6.1)
Packing Group	II
Description	
Emergency Response Guide Number	

IATA

UN-Number 2922
 Proper Shipping Name Corrosive Liquid, Toxic n.o.s. (Hydrofluoric acid mixture)
 Hazard Class 8(6.1)
 Packing Group II
 ERG Code
 Description

15. REGULATORY INFORMATION

International Inventories

TSCA All components of this product are either listed or are exempt on the TSCA inventory.

Legend

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

U.S. Federal Regulations

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 Yes
 Chronic Health Hazard Yes
 Fire Hazard No
 Sudden Release of Pressure Hazard No
 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 Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hydrofluoric acid	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA Health Hazard 4 Flammability 0 Instability 0 Physical and Chemical -0
HMIS Health Hazard 4 Flammability Physical Hazard 0 Personal Protection - 0

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General 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