

Material Safety Data Sheet

Issued: 03/04/2010

Revision Number : 5

1. Identification of Substance /Preparation and Company /Undertaking

Product Name: PORCELAIN ETCHANT (4%)
Manufacturer: Bisco, Inc. 1100 W Irving Park Road, Schaumburg, IL 60193 USA
Telephone: 1-847-534-6000, during normal business hours

Emergency Telephone Number: CHEMTREC - 24-Hour Hazmat Emergency Communications Center
Domestic: 1-800-424-9300 Outside the U.S.: 1-703-527-3887, collect calls accepted

EC Representative: Bisco France, 120, allée de la Coudoulette, 13680 Lançon de Provence, France
Telephone: 33-4-90-42-92-92

2. Composition/Information on Ingredients

Ingredient	Concentration Range (%)	CAS Number	Symbol/Risk Classificaton	OSHA PEL (mg/m3)	ACGIH (mg/m3)	LD50 (mg/kg, rat/oral)
Hydrofluoric acid	>7%	7664-39-3	T+; C; R26/27/28 R35	3 ppm	0.5 ppm	N/D

3. Hazards Identification

Very Toxic and Corrosive. Toxic by inhalation, in contact with skin and if swallowed. Causes burns. Refer to Section 15 for Risk and Safety information.

4. First-aid Measures

Inhalation: Provide fresh air and rest immediately.

Skin Contact: Wash immediately with soap and water.

Eye Contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Ingestion: In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

5. Fire-fighting Measures

Fire-fighting media: Dry chemical powder, foam or carbon dioxide.

Fire and explosion risks: Upon heating, irritating or toxic gases may form.

6. Accidental Release Measures

Personal Precautions: Prevent skin/eye contact, Provide ventilation.

Environmental Precautions: Avoid ground water contamination.

Methods for Cleaning Up: Wipe with damp paper towels, Discard properly.

7. Handling and Storage

Keep container tightly closed and at a well-ventilated place. Store in a cool place. (<25C; 77F), this product is used exclusively for dental purposes by trained personnel.

8. Exposure Controls /Personal Protection

Eye Protection: Use protective eyewear.

Hand Protection: Use protective gloves.

Respiratory Protection: Avoid breathing of vapors.

Skin Protection: Use suitable protective clothing.

9. Physical / Chemical Properties

Appearance	Gel	Vapor Pressure @ 20C/68F	N/A
Color	Orange	Miscibility	N/A
Odor	Odorless	Vapor Density	N/A
Solubility (H2O, fat)	Miscible	pH	2
Boiling Point / Range	>100 C (212F)	Evaporation Rate	N/A
Melting Point / Range	<0C (32F)	Viscosity	N/A
Flash Point	N/A	Partition Coefficient	N/A
Conductivity	N/A	Autoflammability	N/A
Explosive Properties	N/A	Flammability	Non Flammable
Oxidizing Properties	N/A	Relative Density	>1

10. Stability and Reactivity

Avoid high temperatures, Do not store in metal or glass containers.

11. Toxicological Information

Eye Contact: Causes burns.

Skin Contact: Causes burns with delayed tissue destruction if not removed promptly.

Sensitization: None known.

Other: Harmful if inhaled.

12. Ecological Information

N/A

13. Disposal Considerations

Refer to any Community provisions relating to waste. In their absence, refer to National or Regional provisions relating to waste.

14. Transport Information

No special precautions.

15. Regulatory Information

Classification: T+ Very Toxic; C Corrosive; R23/24/25: Toxic by inhalation, in contact with skin and if swallowed, R34 Causes burns

Safety: S:1/2 Keep locked up and out of the reach of children. S:7/9 Keep container tightly closed and at a well-ventilated place. S:26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S:36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S:45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible) .

16. Other Information

Revision Date: 03/04/2010 Replaces MSDS dated: 10/11/2007
Revision Number: 5 Product: PORCELAIN ETCHANT (4%)

This information is believed to be correct as of the date of this MSDS. The manufacturer makes no representation as to the completeness or accuracy of this information and supplies it on the condition that the person receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will the manufacturer be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.

NOTE: CHEMTREC provides an emergency telephone number in the event of an emergency for leak, fire, exposure or accident involving the hazardous material that is being shipped. All non-emergency inquiries should be directed to Bischoff during normal working hours.