

Material Safety Data Sheet

Issued: 11/17/2011

Revision Number: 4

1. Identification of Substance /Preparation and Company /Undertaking

Product Name: PORCELAIN ETCHANT(9.5%)
Manufacturer: Bisco, Inc. 1100 W Irving Park Road, Schaumburg, IL 60193 USA
Telephone: 1-847-534-6000, during normal business hours

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

EC Representative: Bisico 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; . R26/27/28/35.	3 ppm.	3 ppm.	N/D.
Polysulfonic acid	>50	27119-07-9	Xi/36/37/38	N/D	N/D	>2000

3. Hazards Identification

Very Toxic Corrosive. Very toxic by inhalation, in contact with skin and if swallowed. Causes severe burns. Irritant; Irritating to eyes, respiratory system and skin.

4. First-aid Measures

Inhalation: Get medical help immediately.
Skin Contact: Wash affected area immediately with soap and water.
Eye Contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion: If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Seek medical attention.

5. Fire-fighting Measures

Fire-fighting media: Dry chemical powder, foam or carbon dioxide.
Fire and explosion risks: Upon combustion, irritating gases may form.

6. Accidental Release Measures

Personal Precautions: Prevent skin/eye contact, Provide ventilation. Must wear personal protective apparel.
Environmental Precautions: Avoid ground water contamination.
Methods for Cleaning Up: Wipe with damp paper towels, Discard properly.

7. Handling and Storage

Store in ventilated cool dry place (20°C/68°F - 25°C/77°F), 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 protective apparel and necessary hygiene measures.

9. Physical / Chemical Properties

Appearance	Gel	Vapor Pressure @ 20C/68F	N/A
Color	Yellow	Miscibility	N/A
Odor	Odorless	Vapor Density	N/A
Solubility (H2O, fat)	Miscible	pH	2
Boiling Point / Range	>100°C (212°F)	Evaporation Rate	N/A
Melting Point / Range	<0°C (32°F)	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: Severe burns to eyes.

Skin Contact: Very toxic in contact with skin. Causes severe burns. Will cause almost no immediate pain on contact but may cause delayed serious injury.

Sensitization: None Known.

Other: Very toxic by inhalation and if swallowed. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

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; R26/27/28 Very toxic by inhalation, in contact with skin and if swallowed, R35 Causes severe burns.

Safety: Xi Irritant R36/37/38 Irritating to eyes, respiratory system and skin
 S: (1/2-)7/9-26-36/37/39-45 Keep locked up and out of the reach of children. Keep container tightly closed and at a well-ventilated place. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

16. Other Information

Revision Date: 11/17/2011 Replaces MSDS dated: 09/02/2011
 Revision Number: 4 Product: PORCELAIN ETCHANT(9.5%)

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 Bisco during normal working hours.