

SAFETY DATA SHEET



Date Issued: 10/09/2007
MSDS No: 188-001.1
Revision No: New MSDS

OT Porcelain Etch

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

PRODUCT NAME: OT Porcelain Etch
PRODUCT DESCRIPTION: Acid etching solution
PRODUCT CODE: PE

MANUFACTURER

OraTech LLC
475 W 10200 S
South Jordan UT 84095

24 HR. EMERGENCY TELEPHONE NUMBERS

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS	EINECS	Classification	Content
Hydrofluoric Acid	007664-39-3	009003001	C,+T; R-26,27,28,34	9.5

3. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"C" - Corrosive

R26/27/28: Very toxic by inhalation, in contact with skin and if swallowed.

"T+" - Very toxic

R39/26/28: Very toxic : danger of very serious irreversible effects through inhalation and if swallowed.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Toxic by inhalation, ingestion, and skin contact.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye burns.

SKIN: Contact causes severe skin irritation and possible burns.

INGESTION: R25: Toxic if swallowed.

4. FIRST AID MEASURES

EYES: 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. Apply 1-2 drops of Calcium Glyconate. If a physician is not immediately available, apply one or two drops of 0.5% Pontocaine Hydrochloride solution.

SKIN: Flush skin with large amounts of water and remove contaminated clothing, watches, etc. After the water rinse, rub "Hydrofluoric Acid Burn Jelly" thoroughly into the skin. Seek medical attention for all burns, regardless of how minor they may seem.

INGESTION: DO NOT INDUCE VOMITING -SEEK MEDICAL ADVICE IMMEDIATELY! Rinse mouth thoroughly and give large amounts of milk or water if person is conscious. After ingestion of fluorides, give milk or Calcium Gluconate orally. Transport to hospital if there is any suspicion of ingestion.

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INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FIRE FIGHTING PROCEDURES: General: Evacuate all personnel; use protective equipment for fire-fighting. Use self-contained breathing apparatus when the product is involved in fire.

FIRE FIGHTING EQUIPMENT: Foam, dry chemical, carbon dioxide (CO₂)

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Clean up spills immediately, observing precautions in Protective Equipment section.

LARGE SPILL: Absorb with fly ash or cement powder. Neutralize with soda ash or caustic soda. Collect carefully in tightly closed containers. DO NOT TOUCH SPILLED MATERIAL.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow to enter sewers or drains that may lead to waterways.

SPECIAL PROTECTIVE EQUIPMENT: S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

7. HANDLING AND STORAGE

HANDLING: Will attack glass and most ceramics. May attack some metals. Use personal protective equipment in a well-ventilated area.

STORAGE: S3/9: Keep in a cool, well ventilated place

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

SKIN: S36/37: Wear suitable protective clothing and gloves.

RESPIRATORY: S51: Use only in well-ventilated areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Gel

ODOR: Acidic, DO NOT SMELL

COLOR: Yellow

PHYSICAL STATE COMMENTS: Soluble in water

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10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid strong bases, Metals, Metal oxides, Inorganic acids, Organic anhydrides, Glass, and Intense Heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Fluorine gas. Hydrogen is formed in contact with metals. Heating may liberate hazardous corrosive vapors.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Severe eye irritation

SKIN EFFECTS: Toxic. May cause tissue damage and possibly systemic poisoning.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in compliance with governmental regulation (EC 1975L0442-20/11/2003)

14. TRANSPORT INFORMATION

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Corrosive Liquid, Acidic, Inorganic n.o.s. (Hydrofluoric acid mixture)

HAZARD CLASS: 8(6.1)

PACKING GROUP: II

AIR (ICAO/IATA)

SHIPPING NAME: Corrosive Liquid, Acidic, Inorganic n.o.s. (Hydrofluoric acid mixture)

UN/NA NUMBER: 3264

PRIMARY HAZARD CLASS/DIVISION: 8(6.1)

PACKING GROUP: II

VESSEL (IMO/IMDG)

SHIPPING NAME: Corrosive Liquid, Acidic, Inorganic n.o.s. (Hydrofluoric acid mixture)

UN/NA NUMBER: 3264

PRIMARY HAZARD CLASS/DIVISION: 8(6.1)

PACKING GROUP: II

LIMITED QUANTITY: 1 L

15. REGULATORY INFORMATION

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EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION



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16. OTHER INFORMATION

PREPARED BY: Iris McCallister

REVISION SUMMARY: New MSDS

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