SAFETY DATA SHEET

ULTRADENT PRODUCTS, INC.

Date Issued : 9/6/2012
MSDS No : 7-001.11
Date-Revised : 9/24/2012
Revision No : 12

Ultra-Etch®

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

PRODUCT NAME: Ultra-Etch®
PRODUCT DESCRIPTION: Phosphoric Acid dentin etchant
PRODUCT CODE/ PART #: UX/10947

MANUFACTURER

Ultradent Products, Inc.
505 W. 10200 S.
South Jordan, UT 84095

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (NORTH AMERICA) : (800) 424 - 9300
(INTERNATIONAL) : +1(703) 527 - 3887

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS	EINECS	Classification	Wt.%
Phosphoric Acid	7664-38-2	231-633-2	C; R34	32 - 38
Cobalt aluminate blue spinel	1345-16-0	310-193-6	R36/37/38, R22	< 1
Cobalt zinc aluminate blue spinel	68186-87-8	269-049-5	R36/37/38, R22	< 1

(Full text of R-Phrases can be found under heading 16)

3. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"C" - Corrosive
R34: Causes burns.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Corrosive. Will cause eye burns and permanent tissue damage.

POTENTIAL HEALTH EFFECTS

EYES: Causes severe eye burns.

SKIN: Corrosive, causes skin burning.

INGESTION: Harmful if swallowed.

INHALATION: R37: Irritating to respiratory system.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

INGESTION: May cause chemical burns to the mouth and throat. May also cause a burning sensation, swallowing difficulties, vomiting, diarrhea and possible shock.

4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

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INGESTION: If swallowed, rinse mouth with water, Do NOT Induce Vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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: Non-combustible.

6. ACCIDENTAL RELEASE MEASURES

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

LARGE SPILL: Absorb with inert, damp non-combustible material, then flush area with water.

ENVIRONMENTAL PRECAUTIONS

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

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid contact with eyes, skin and clothing.

HANDLING: Use suitable protective equipment.

STORAGE: Room Temperature

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear eye protection

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: Odorless or no characteristic odor

COLOR: Blue

SOLUBILITY IN WATER: Partially soluble in water.

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable when stored and handled under recommended conditions.

CONDITIONS TO AVOID: Avoid strong bases, Metals. Excess heat, exposure to moist air or water.

HAZARDOUS DECOMPOSITION PRODUCTS: Phosphine, oxides of phosphorous, hydrogen gas

INCOMPATIBLE MATERIALS: Strong caustics, most metals.

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COMMENTS: Reacts with bases to form phosphate salts and is corrosive (especially when hot) to many metals and alloys. Liberates explosive hydrogen gas when reacting with chlorides and stainless steel, and reacts violently with sodium tetrahydroborate. Forms flammable gases with sulfides, mercaptans, cyanides, and aldehydes. Also forms toxic fumes with cyanides, sulfides, fluorides, organic peroxides, and halogenated organics.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Causes severe eye burns.

SKIN EFFECTS: Corrosive, causes skin burning.

12. ECOLOGICAL INFORMATION

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

ECOTOXICOLOGICAL INFORMATION: Water pollutant

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, n.o.s. * Phosphoric acid mixture

HAZARD CLASS: 8

PACKING GROUP: III

AIR (ICAO/IATA)

SHIPPING NAME: Corrosive liquid, n.o.s. * Phosphoric acid mixture

UN/NA NUMBER: 1760

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: III

VESSEL (IMO/IMDG)

SHIPPING NAME: Corrosive liquid, n.o.s. * Phosphoric acid mixture

UN/NA NUMBER: 1760

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: III

LIMITED QUANTITY: 1 L

15. REGULATORY INFORMATION

EUROPEAN COMMUNITY

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EEC LABEL SYMBOL AND CLASSIFICATION

"C" - Corrosive
R34: Causes burns.

COMMENTS IARC has identified Cobalt and Cobalt compounds as "possibly carcinogenic" as a group, however IARC did not specifically identify the cobalt compound in this product as a possible carcinogen.

OSHA- Select Carcinogens: Present

16. OTHER INFORMATION

RELEVANT R-PHRASES: R34: Causes burns.
R36/37/38: Irritating to eyes, respiratory system and skin.
R22: Harmful if swallowed.

PREPARED BY: Anu Kattoju

REVISION SUMMARY: This MSDS replaces the 7/26/2011 MSDS. Revised: **Section 1:** Date Issued, PREPARED BY, PRODUCT CODE/ PART #. **Section 2:** SIGNS AND SYMPTOMS OF OVEREXPOSURE (INHALATION, SKIN). **Section 7:** STORAGE. **Section 11:** EYE EFFECTS. **Section 15:** COMMENTS.

MANUFACTURER DISCLAIMER: FOR DENTAL USE ONLY: Use as directed. The information and recommendations are taken from sources (raw material MSDS(s) and manufacturer's knowledge) believed to be accurate; however, the manufacturer makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.