

SAFETY DATA SHEET

ULTRADENT[®]
PRODUCTS, INC.

Date Issued: 09/05/2007
MSDS No: 180-001.2
Date-Revised: 07/30/2008
Revision No: 1

Opalescence[®] Boost PF Activator

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

PRODUCT NAME: Opalescence[®] Boost PF Activator
PRODUCT DESCRIPTION: Dental bleaching gel activator
PRODUCT CODE: XW

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	Content
Potassium Hydroxide	01310-58-3	215-181-3	C; R 34	15
Potassium Nitrate	007757-79-1	231-818-8	Xi; R36/37/38	17.2
Sodium Fluoride	007681-49-4	231-667-8	T, XI; R25; R32; R36/38	6.3

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

3. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"C" - Corrosive

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

"Xi" - Irritant

Oxidizing

"T" - Toxic

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Viscous substance

POTENTIAL HEALTH EFFECTS

EYES: Causes severe eye burns.

SKIN: Contact causes severe skin irritation and possible burns.

INGESTION: Harmful if swallowed.

INHALATION: Move to fresh air, if inhaled.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SAFETY DATA SHEET

ULTRADENT[®]
PRODUCTS, INC.

Date Issued: 09/05/2007
MSDS No: 180-001.2
Date-Revised: 07/30/2008
Revision No: 1

Opalescence[®] Boost PF Activator

SKIN: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

INGESTION: Give large volumes of water. Do not induce vomiting. Consult a physician if ingested in large amounts.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get 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:

Water spray, fog, or mist, foam, dry chemical, carbon dioxide (CO₂)

COMMENTS: Do not use strong water jet for extinguishing - may cause spattering of burning material.

6. ACCIDENTAL RELEASE MEASURES

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

LARGE SPILL: Collect in tightly closed containers.

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

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

HANDLING: Use suitable protective equipment.

STORAGE: Keep refrigerated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles) and a face shield.

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

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

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

SAFETY DATA SHEET

ULTRADENT[®]
PRODUCTS, INC.

Date Issued: 09/05/2007
MSDS No: 180-001.2
Date-Revised: 07/30/2008
Revision No: 1

Opalescence[®] Boost PF Activator

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Gel

ODOR: Odorless or no characteristic odor

COLOR: orange to dark red

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable.

CONDITIONS TO AVOID: Heat, moisture, incompatibles.

INCOMPATIBLE MATERIALS: Acids, flammable liquids, organic halogen compounds, trichloroethylene, nitromethane, aluminum, tin, zinc.

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀: 173 mg/kg (rat)

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Readily biodegradable.

DISTRIBUTION: Does not bioaccumulate.

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. (Potassium Hydroxide Mixture)

HAZARD CLASS: 8

PACKING GROUP: II

AIR (ICAO/IATA)

SHIPPING NAME: Corrosive liquid, N.O.S. (Potassium Hydroxide Mixture)

UN/NA NUMBER: 1760

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: II

SAFETY DATA SHEET

ULTRADENT[®]
PRODUCTS, INC.

Date Issued: 09/05/2007
MSDS No: 180-001.2
Date-Revised: 07/30/2008
Revision No: 1

Opalescence[®] Boost PF Activator

VESSEL (IMO/IMDG)

SHIPPING NAME: Corrosive liquid, N.O.S. (Potassium Hydroxide Mixture)
UN/NA NUMBER: 1760
PRIMARY HAZARD CLASS/DIVISION: 8
PACKING GROUP: II
LIMITED QUANTITY: 0.5 L

15. REGULATORY INFORMATION

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION



"C" - Corrosive
R35: Causes severe burns.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.



"Xi" - Irritant
R36/37/38: Irritating to eyes, respiratory system and skin.



Oxidizing



"T" - Toxic
R25: Toxic if swallowed.

16. OTHER INFORMATION

RELEVANT R-PHRASES:

R36/37/38: Irritating to eyes, respiratory system and skin.

PREPARED BY: Tana Shepherd

REVISION SUMMARY: Revision #: 1. This MSDS replaces the September 27, 2007 MSDS. , , , , Any changes in information are as follows: In Section 1: MSDS Product Code, MSDS NumberIn Section 7: Storage Minimum °C, Storage Maximum °C, StorageIn Section 11: MutagenicityIn Section 14: International (IMO / IMDG) - Special Provisions, Air (IATA / ICAO) - Special ProvisionsIn Section 15: EEC Symbol Id., EEC Risk Phrase CodesIn Section 16: Manufacturer Disclaimer

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, Ultradent Products, Inc., 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

SAFETY DATA SHEET

ULTRADENT[®]
PRODUCTS, INC.

Date Issued: 09/05/2007

MSDS No: 180-001.2

Date-Revised: 07/30/2008

Revision No: 1

Opalescence[®] Boost PF Activator

specific context of the intended use and determine whether they are appropriate.