

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 10/06/2008  
 SDS No : BS1009  
 Date Revised : 10/28/2015  
 Revision No : 8

## Porcelain Conditioner

### SECTION 1 : Identification of the substance/preparation and of the company/undertaking

#### 1.1. Product identifier

**Product code** : OT-PO  
**Product name** : Porcelain Conditioner  
**Product description** : 6851M6XU  
**Generic name** : Isopropanol  
**Chemical family** : Isopropanol

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses** : Preparation of glazed dental porcelain for bonding.

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Ortho Technology, Inc.  
 17401 Commerce Park Boulevard  
 Tampa, FL 33647

**Emergency Phone** : 1-800-999-3161  
**E-Mail** : ljohnson@orthotechnology.com

#### 1.4. Emergency telephone number

For Chemical Emergency  
 Spill Leak or Fire Exposure or Accident  
 Call CHEMTREC Day or Night  
 Domestic North America 1-800-424-9300  
 International, Call +1 703-527-3887 (collect calls accepted)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification according to Directive 1999/45/EC**

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

**Physical** : **PHRASE NOT TRANSLATED - Code = 22710YB1ZI, PHRASE NOT TRANSLATED - Code = 22710YB1Z7**

#### 2.2. Label elements

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

**Hazard statement(s)** : H226: Flammable liquid and vapour.

**Precautionary statement(s)**

**Response** : P305: IF IN EYES:.

#### 2.3. Other hazards

**Immediate concerns** : Eye irritant, flammable.

### SECTION 3: Composition / information on ingredients

#### 3.1. Substances

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 10/06/2008  
 SDS No : BS1009  
 Date Revised : 10/28/2015  
 Revision No : 8

## Porcelain Conditioner

Not Applicable

### 3.2. Mixtures

| Chemical Name | CAS       | EINECS No. | Vol. % | Classification according to Directive 67/548/EEC |
|---------------|-----------|------------|--------|--|
| Isopropanol   | 67-63-0   | 200-661-7  | > 80   | R10; R22   |
| Silane        | 2530-85-0 | 219-785-8  | < 20   | Not classified                                   |

For full text of H-statements and R-phrases: see SECTION 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- Following eyes** : Immediately flush with plenty of water for at least fifteen minutes. Seek medical attention by an Ophthalmologist.
- Following skin** : Wash off with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. If irritation persists consult a physician.
- Following ingestion** : Seek medical advice immediately.
- Following inhalation** : Remove from exposure. Give artificial respiration if not breathing.

#### 4.2. Most important symptoms and effects, both acute and delayed

#### 4.3. Indication of any immediate medical attention and special treatment needed

### SECTION 5: Fire fighting measures

#### 5.1. Extinguishing media

- Extinguishing media** : Chemical Foam, Carbon Dioxide, or Dry Chemical, water spray.

#### 5.2. Special hazards arising from the substance or mixture

- Explosion hazards** : None
- Fire explosion** : Flammable liquid and vapor. Vapors may travel to source of ignition and flashback. Vapors may settle in low or confined spaces.

#### 5.3. Advice for firefighters

- Fire fighting equipment** : Wear self-contained breathing apparatus and protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General procedures** : Do not dump the spilled material in sewer.

#### 6.2. Environmental precautions

#### 6.3. Methods and material for containment and cleaning up

- Small spill** : **METHOD FOR CLEANING UP:** Contain spilled liquid with vermicullite or sand and place waste in container. Prevent runoff from entering

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

**Date Issued :** 10/06/2008  
**SDS No :** BS1009  
**Date Revised :** 10/28/2015  
**Revision No :** 8

## Porcelain Conditioner

drains, sewers and streams.

**Large spill** : **METHOD FOR CLEANING UP:** Contain spilled liquid with vermicullite or sand and place waste in container. Prevent runoff from entering drains, sewers and streams.

### 6.4. Reference to other sections

#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

**Handling** : Avoid contact with eyes, skin, and clothing. Use adequate ventilation. Wash thoroughly after handling.

**Storage** : Store at ambient room temperature, in a dry well-ventilated place. Keep away from sources of heat and ignition. Do not freeze.

##### 7.2. Conditions for safe storage, including any incompatibilities

**Storage temperature** : Ambient room temperature.

##### 7.3. Specific end use(s)

#### SECTION 8: Exposure controls / personal protection

##### 8.1. Control parameters

##### 8.2. Exposure controls

**Engineering controls** : Use with adequate ventilation. If product is used in confined space or at above ambient temperatures use of local exhaust ventilation is recommended.

**Eye/face protection** : Safety glasses or Goggles with side shields recommended.

**Skin protection** : Clothing should be sufficient to minimize physical contact and avoid exposure.

**Respiratory protection** : Avoid prolonged breathing of vapors. If airborne particles are not controlled below exposure limits, respirator must be worn. Respirator type : Mist, organic vapor.

**Protective clothing** : Wear lab coat

**Work hygienic practices** : Normal safe practices. Use only in a highly professional manner.

**Other precautions** : For operations where prolonged or repeated contact may occur use chemically impervious Gloves.

**Additional information** : Limits : TWA: 400 PPM; STEL 500 PPM.

#### SECTION 9: Physical and chemical properties

##### 9.1. Information on basic physical and chemical properties

**Physical state** : Liquid

**Appearance** : Clear colorless liquid.

**Colour** : Colorless

**Odour** : Rubbing alcohol odor

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

**Date Issued :** 10/06/2008  
**SDS No :** BS1009  
**Date Revised :** 10/28/2015  
**Revision No :** 8

## Porcelain Conditioner

|                            |                           |
|----------------------------|---------------------------|
| <b>Boiling temperature</b> | : 82°C                    |
| <b>Flash point</b>         | : 13°C Closed Cup         |
| <b>Evaporation rate</b>    | : (Butyl acetate = 1) 1.8 |
| <b>Vapor pressure</b>      | : 33 mmHg at 20°C         |
| <b>Specific gravity</b>    | : (H2O = 1) 0.8           |
| <b>Solubility in water</b> | : Soluble                 |

### 9.2. Other information

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

##### 10.2. Chemical stability

**Chemical stability** : Stable in normal storage conditions.

##### 10.3. Possibility of hazardous reactions

**Hazardous polymerization** : Will not occur.

##### 10.4. Conditions to avoid

**Conditions to avoid** : Temperatures over 27 C and contamination.

##### 10.5. Incompatible materials

**Incompatible materials** : Strong oxidizing agents.

##### 10.6. Hazardous decomposition products

**Hazardous decomposition products** : Carbon dioxide and carbon monoxide.

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

**Other information** : No known carcinogens present.

#### SECTION 12: Ecological information

##### 12.1. Toxicity

##### 12.2. Persistence and degradability

##### 12.3. Bioaccumulative potential

##### 12.4. Mobility in soil

##### 12.5. Results of PBT and vPvB assessment

##### 12.6. Other adverse effects

**General comments** : Avoid releasing the product into environment.

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

**Disposal method** : Incinerate or dispose according to local, state, and federal regulations.

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 10/06/2008  
 SDS No : BS1009  
 Date Revised : 10/28/2015  
 Revision No : 8

## Porcelain Conditioner

### SECTION 14: Transport information

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Primary hazard class/division : 3

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

### SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

International regulations : CLASSIFICATION IN ACCORDANCE WITH EEC DIRECTIVES.  
 Hazard Classification Code : Xi

15.2. Chemical safety assessment

### SECTION 16: Other information

Relevant R-phrases and/or H-statements (number and full text) : R10: Flammable.  
 R22: Harmful if swallowed.

Reason for issue : New MSDS Format

Approved by : J.Hutchins Title :QA/RA Director

Prepared by : T.Swan

Information contact : 1-800-999-3161

Revision summary : This MSDS replaces the 03/19/2014 MSDS. Revised: **Section 1:**  
 REASON FOR ISSUE.

General statements : **CAUTION: PRODUCT FOR PROFESSIONAL USE ONLY**

Additional SDS information : Safety Phrases : S16 Keep away from sources of ignition  
 S23 Do not breathe fumes  
 S24/25 Avoid contact with skin and eyes  
 S26/28 If contact with eyes and skin, wash with plenty of water

Manufacturer disclaimer : The above information is based on presently available data and to the best of our knowledge for handling the product under normal conditions. Any use of this product in any way not indicated on this document or using it together with any other process/procedure will be exclusively under the user's responsibility.