

MATERIAL SAFETY DATA SHEET

Date Issued: 10/06/2008
 MSDS No: BS1009
 Date Revised: 06/11/2009
 Revision No: 3

Porcelain Conditioner

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Porcelain Conditioner
PRODUCT DESCRIPTION: Porcelain Conditioner
PRODUCT CODE: OT-PO
CHEMICAL FAMILY: Isopropanol
GENERIC NAME: Isopropanol

MANUFACTURER

Ortho Technology, Inc.
 17401 Commerce Park Boulevard
 Tampa FL 33647
Product Stewardship: 1-800-999-3161

24 HR. EMERGENCY TELEPHONE NUMBERS

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)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear colorless liquid with rubbing alcohol odor

POTENTIAL HEALTH EFFECTS

EYES: Vapor and mist may cause irritation, pain, eye burns, or permanent eye damage.

SKIN: Prolonged or repeated skin contact may cause drying, cracking or irritation.

INGESTION: May be harmful if ingested in sufficient quantities. May cause dizziness, drowsiness, vomiting, nausea, lack of coordination.

INHALATION: High vapor or mist concentrations may cause drowsiness and irritation of the respiratory tract.

ROUTES OF ENTRY: Inhalation, Ingestion, and Skin.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Vol. %	CAS
Isopropanol	> 80	67-63-0
Silane	< 20	2530-85-0

4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water for at least fifteen minutes. Seek medical attention by an Ophthalmologist.

SKIN: Wash off with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. If irritation persists consult a physician.

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INGESTION: Seek medical advice immediately.

INHALATION: Remove from exposure. Give artificial respiration is not breathing.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 13°C Closed Cup

EXTINGUISHING MEDIA: Chemical Foam, Carbon Dioxide, or Dry Chemical, water spray.

EXPLOSION HAZARDS: None

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and protective clothing.

FIRE EXPLOSION: Flammable liquid and vapor. Vapors may travel to source of ignition and flashback. Vapors may settle in low or confined spaces.

6. ACCIDENTAL RELEASE MEASURES

SMALL 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.

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.

GENERAL PROCEDURES: Do not dump the spilled material in sewer.

7. HANDLING AND STORAGE

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.

STORAGE TEMPERATURE: Ambient room temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses or Goggles with side shields recommended.

SKIN: Clothing should be sufficient to minimize physical contact and avoid exposure.

RESPIRATORY: 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

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WORK HYGIENIC PRACTICES: Normal safe practices. Use only in a highly professional manner.

OTHER USE PRECAUTIONS: For operations where prolonged or repeated contact may occur use chemically impervious Gloves.

COMMENTS: Limits : TWA: 400 PPM; STEL 500 PPM.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Rubbing alcohol odor

APPEARANCE: Clear colorless liquid.

COLOR: Colorless

VAPOR PRESSURE: 33 mmHg at 20°C

BOILING POINT: 82°C

FLASHPOINT AND METHOD: 13°C Closed Cup

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE: (Butyl acetate = 1) 1.8

SPECIFIC GRAVITY: (H₂O = 1) 0.8

10. STABILITY AND REACTIVITY

STABILITY: Stable in normal storage conditions.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Temperatures over 27 C and contamination.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide and carbon monoxide.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: May cause irritation, pain, eye burns, or permanent eye damage.

SKIN EFFECTS: Prolonged or repeated skin contact may cause drying, cracking or irritation.

GENERAL COMMENTS: No known carcinogens present.

12. ECOLOGICAL INFORMATION

GENERAL COMMENTS: Avoid releasing the product into environment.

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13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Incinerate or dispose according to local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Isopropanol
PRIMARY HAZARD CLASS/DIVISION: 3
UN/NA NUMBER: UN1219
PACKING GROUP: II
NAERG: 129
LABEL: Flammable Liquid

AIR (ICAO/IATA)

SHIPPING NAME: Isopropanol
UN/NA NUMBER: UN1219
PRIMARY HAZARD CLASS/DIVISION: 3
PACKING GROUP: II
ERG: 129
LABEL: Flammable Liquid

15. REGULATORY INFORMATION

EUROPEAN COMMUNITY

EUROPEAN COMMUNITY REGULATORY: CLASSIFICATION IN ACCORDANCE WITH EEC DIRECTIVES.
Hazard Classification Code : Xi

16. OTHER INFORMATION

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: Revision #: 3. This MSDS replaces the June 09, 2009 MSDS. Any changes in information are as follows: In Section 1: 24 Hour Emergency Phone Numbers

ADDITIONAL MSDS INFORMATION: Safety Phrases : S16 Keep away from sources of ignition
S23 Do not breathe fumes
S24/25 Avoid contact with skin and eyes

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S26/28 If contact with eyes and skin, wash with plenty of water

GENERAL STATEMENTS: CAUTION: PRODUCT FOR PROFESSIONAL USE ONLY

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.