

# MATERIAL SAFETY DATA SHEET

Date Issued: 12/01/2008  
 MSDS No: BS1010  
 Date Revised: 06/11/2009  
 Revision No: 2

## Metal Primer

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Metal Primer  
**PRODUCT DESCRIPTION:** Metal Primer  
**PRODUCT CODE:** OT-ME  
**CHEMICAL FAMILY:** Methacrylate  
**GENERIC NAME:** Methyl Methacrylate

#### 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 fruity odor

#### POTENTIAL HEALTH EFFECTS

**EYES:** May cause irritation and burning.

**SKIN:** Can cause moderate irritation. Repeated exposure can cause allergic reaction.

**INHALATION:** Inhalation of vapor or mist can cause irritation of the nose and throat. Repeated or prolonged exposure can cause headache, nausea, drowsiness and unconsciousness.

**MEDICAL CONDITIONS AGGRAVATED:** Persons with pre-existing skin sensitivity.

**ROUTES OF ENTRY:** Inhalation, ingestion, skin contact.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS
Methacrylate Monomers	80-62-6

### 4. FIRST AID MEASURES

**EYES:** Flush eyes with water for at least 15 minutes, lifting eyelids occasionally. Get medical attention immediately.

**SKIN:** Wash with soap and water for at least 15 minutes. remove any contaminated clothing.

**INGESTION:** If swallowed, dilute by giving 2 glasses of water to drink. Seek medical attention. Never give anything by mouth to an unconscious person.

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**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. Call a physician.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** 10°C SETA Flash Tester CC

**FLAMMABLE LIMITS:** Not Established

**EXTINGUISHING MEDIA:** Chemical foam, Carbon dioxide, Dry chemicals, water spray

**FIRE FIGHTING PROCEDURES:** Fight advanced fires from a protected location. Use water spray to cool containers exposed to fire

**FIRE EXPLOSION:** Uncontrolled polymerization may produce a rapid release of energy with the potential for an explosion of unvented closed containers. Vapors are heavier than air and may travel to sources of ignition.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Eliminate sources of ignition. Wear skin, eye and respiratory protection. Contain spills with inert material. Soak up liquid with absorbent material.

**LARGE SPILL:** Eliminate sources of ignition. Wear skin, eye and respiratory protection. Contain spills with inert material. Soak up liquid with absorbent material.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Material is highly volatile, keep containers tightly closed immediately after use.

**HANDLING:** Keep away from heat, sparks, flame, direct sunlight and elevated temperatures.

**STORAGE:** Keep away from heat, sparks, flame, direct sunlight and elevated temperatures.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Ventilation: Local exhaust strongly recommended.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Splash Goggles recommended.

**SKIN:** Disposable vinyl gloves recommended

**RESPIRATORY:** Use MSHA-NIOSH approved respirator for organic vapors.

**PROTECTIVE CLOTHING:** Chemical resistant apron.

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

**OTHER USE PRECAUTIONS:** Eyewash station

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid  
**ODOR:** Fruity odor  
**APPEARANCE:** Clear colorless liquid.  
**COLOR:** Colorless  
**VAPOR PRESSURE:** Not Established  
**VAPOR DENSITY:** Not Established  
**BOILING POINT:** Not Established  
**MELTING POINT:** Not Established  
**FLASHPOINT AND METHOD:** 10°C SETA Flash Tester CC  
**SOLUBILITY IN WATER:** Moderately soluble  
**EVAPORATION RATE:** (Butyl acetate = 1) Not Established  
**SPECIFIC GRAVITY:** (H<sub>2</sub>O = 1) 0.94

### 10. STABILITY AND REACTIVITY

**STABILITY:** Unstable.  
**POLYMERIZATION:** Hazardous polymerization may occur.  
**CONDITIONS TO AVOID:** Heat and sources of ignition.  
**POSSIBILITY OF HAZARDOUS REACTIONS:** Polymerization catalyst may cause polymerization  
**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.  
**INCOMPATIBLE MATERIALS:** Avoid contact with acids, bases, oxidizing agents, reducing agents, UV light

### 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** Irritation to the eyes can occur  
**SKIN EFFECTS:** Irritation to the skin can occur  
**CARCINOGENICITY**  
**IARC:** Not Applicable  
**NTP:** Not Applicable  
**OSHA:** Not Applicable

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### 12. ECOLOGICAL INFORMATION

**COMMENTS:** Not Available

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of waste in accordance with local, state, and federal regulations. Material is a hazardous waste (U162).

**FOR LARGE SPILLS:** Eliminate sources of ignition. Wear skin, eye and respiratory protection. Contain spills with inert material. Soak up liquid with absorbent material.

**PRODUCT DISPOSAL:** Dispose of waste in accordance with local, state, and federal regulations. Material is a hazardous waste (U162).

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Methyl methacrylate monomer, stabilized

**PRIMARY HAZARD CLASS/DIVISION:** 3

**UN/NA NUMBER:** UN1247

**PACKING GROUP:** II

**LABEL:** Flammable Liquid

#### AIR (ICAO/IATA)

**SHIPPING NAME:** Methyl methacrylate monomer, stabilized

**UN/NA NUMBER:** UN1247

**PRIMARY HAZARD CLASS/DIVISION:** 3

**PACKING GROUP:** II

**LABEL:** Flammable Liquid

**COMMENTS:** None required

### 15. REGULATORY INFORMATION

**COMMENTS** None Reported

### 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

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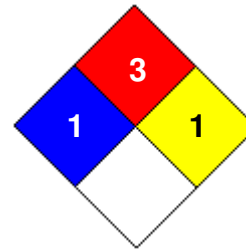
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**REVISION SUMMARY:** Revision #: 2. This MSDS replaces the June 09, 2009 MSDS. Any changes in information are as follows: In Section 1: 24 Hour Emergency Phone Numbers

### NFPA CODES



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