

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 12/09/2008
 SDS No : BS1008
 Date Revised : 10/28/2015
 Revision No : 8

Plastic Conditioner

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

1.1. Product identifier

Product code : OT-PL
Product name : Plastic Conditioner
Product description : 6802M6K5
Generic name : Methyl Methacrylate
Chemical family : Methacrylate

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

Relevant identified uses : Conditions plastic brackets in preparation 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 = 22710YB1Z8**

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 : P302: IF ON SKIN:.

2.3. Other hazards

Immediate concerns : Flammable liquid and vapors. May cause central nervous system depression.

SECTION 3: Composition / information on ingredients

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3.1. Substances

Not Applicable

3.2. Mixtures

Chemical Name	CAS	EINECS No.	Vol. %	Classification according to Directive 67/548/EEC
Triethylene Glycol Dimethacrylate	109-16-0	201-297-1	60 - 80	Not classified
Isobutyl Methacrylate	97-86-9	202-613-0	20 - 50	Xi; R36; R37; R38; S36
Alkyl Toluidine	3077-12-1	613-48-9	0 - 10	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** : Remove contacts lenses. Flush with plenty of water. Seek medical attention by an ophthalmologist.
- Following skin** : Wash off with soap and water. Remove contaminated clothing. If irritation persists consult a physician.
- Following ingestion** : Drink large quantity of milk or water. Seek medical attention immediately. Only induce vomiting if directed by physician.
- Following inhalation** : Remove to fresh air. If breathing is difficult give oxygen and seek immediately medical attention.

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.

5.2. Special hazards arising from the substance or mixture

- General hazard** : Heat can initiate exothermic polymerization.
- Explosion hazards** : Explosive mixtures with air may occur at room temperature. Heated containers can build up pressure and explode.
- Fire explosion** : Vapors may travel to ignition source and flash back. Flammable liquid.

5.3. Advice for firefighters

- Fire fighting procedures** : Cool fire-exposed containers with water.
- Fire fighting equipment** : Wear NIOSH-approved self-contained breathing apparatus and full protective gear.

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

- General procedures** : Do not dump the spilled material in sewer.
- Special protective equipment** : See Section 8 for Personal Protective Equipment.

6.2. Environmental precautions

- Water spill** : Do not contaminate any lakes, streams or groundwater.
- Land spill** : Do not contaminate soil.

6.3. Methods and material for containment and cleaning up

- Small spill** : Always use impervious gloves when cleaning up. Absorb spill with inert absorbent such as paper towels or vermiculite as absorbant. Dispose of according to applicable regulations.
- Large spill** : Evacuate area if needed.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- General procedures** : Keep in original containers supplied by manufacturer. Use by trained professionals only and according to directions. Avoid contact with eyes, skin and soft tissue.
- Handling** : Avoid unnecessary exposure.
- Storage** : Store at room temperature, preferably cool, dry place, out of sunlight or strong light. Keep away from sources of ignition.

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

- Engineering controls** : Ventilation should be designed in accordance with good engineering practices.
- Eye/face protection** : Safety glasses or goggles.
- Skin protection** : Impervious Gloves.
- Respiratory protection** : Avoid prolonged breathing vapors of the uncured material.
- Protective clothing** : Protect all exposed skin from contact. Use lab coat over clothing.
- Work hygienic practices** : Follow good chemical handling/laboratory practice. Avoid unnecessary exposure.
- Other precautions** : Eye wash should be available in areas where this product is handled.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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Physical state : Clear Liquid
Appearance : Clear Liquid
Colour : Colorless
Odour : Acrylic odor
Boiling temperature : 119°C
Flash point : (50°F)
Notes : For Methyl Methacrylate
Evaporation rate : Faster than Butyl Acetate
Vapor pressure : 21 mmHg
Specific gravity : 0.92
Solubility in water : Insoluble.

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 : Polymerization with the release of heat may occur.

10.4. Conditions to avoid

Conditions to avoid : Temperatures over 40 C, sources of ignition.

10.5. Incompatible materials

Incompatible materials : Peroxides, amines, oxydizing and reducing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products : Carbon Oxides

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Isobutyl Methacrylate	11824 mg/kg (Mouse)	20 ml/kg (Rabbit)	3600 ppm 6 hrs (Rat)

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

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12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Environmental data : There is no specific information on the product.

General comments : Use according to good working practice.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

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

General comments : Ingredients Determining the label : Methacrylate Esters Monomers

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) : R36: Irritating to eyes.
R37: Irritating to respiratory system.
R38: Irritating to skin.
S36: Wear suitable protective clothing.

Reason for issue : Updated Chemical Composition

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.

Additional SDS information : Safety Phrases : S36 Wear suitable protective clothing

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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.