

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 08/04/2009
 SDS No : LS1008
 Date Revised : 10/27/2015
 Revision No : 2

Clear Advantage™ Series I Clear Retainer Material

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

1.1. Product identifier

Product code : 7500-100, 7500-105, 7500-110, 7500-035, 7500-040
Product name : Clear Advantage™ Series I Clear Retainer Material
Product description : 7233M9VY
Generic name : Splint Material
Chemical family : Cellulose Acetate

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

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

2.2. Label elements

2.3. Other hazards

Immediate concerns : No unusual dermatitis hazard is expected from routine handling. Molten Polymer on skin may cause thermal burns. This Product is not respirable as marketed - if irritation should occur, moved to a ventilated location. Note to physicians, burns should be treated as thermal burns. Product is a polymer of low toxicity; therefore, there is no need to remove it from the skin because of concern about toxicity. The polymer will come off as healing occurs.

SECTION 3: Composition / information on ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 08/04/2009
 SDS No : LS1008
 Date Revised : 10/27/2015
 Revision No : 2

Clear Advantage™ Series I Clear Retainer Material

Chemical Name	CAS	EINECS No.	Vol. %
Cellulose Acetate	9004-35-7	NA	> 60
Diethyl Phthalate	84-66-2	201-550-6	< 40

SECTION 4: First aid measures

4.1. Description of first aid measures

- Following eyes** : Flush eye thoroughly, for minimum 15 minutes with water. Get medical help if discomfort persists.
- Following skin** : The compound is not likely to be hazardous by skin contact but cleansing the skin after use is advisable. If burned by contact with molten material, cool as quickly as possible with water and see physician for treatment of the burn if necessary.
- Following ingestion** : No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Consult a physician if necessary.
- Following inhalation** : Remove to fresh air. Get medical help if discomfort persists.

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** : Water Spray, Dry Chemicals, Foam, CO₂

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

- Fire fighting procedures** : Use water spray to cool fire exposed surfaces, protect personnel and extinguish the fire. Respiratory and eye protection are required for fire fighting personnel.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

- Small spill** : Shovel or vacuum up spilled product and place in closed container for disposal. Do not flush into sewer, stream or other bodies of water.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Handling** : Keep from contact with oxidizing materials.

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 08/04/2009
 SDS No : LS1008
 Date Revised : 10/27/2015
 Revision No : 2

Clear Advantage™ Series I Clear Retainer Material

Storage : Store in a cool, dry place. Keep container closed to prevent contamination.

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 - Good General Ventilation (typically 10 air changes per hour) should be sufficient to control airborne levels. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems or respiratory protection may be needed in special circumstances such as poorly ventilated areas, mechanical generation of dusts, heating, drying, etc.

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

Skin protection : Recommend gloves to prevent skin irritation in hypersensitive individuals.

Respiratory protection : If respiratory protection is needed, an appropriate NIOSH approved respirator should be worn.

Protective clothing : Where contact with hot material may occur, wear thermal resistant gloves, arm protection, protective footwear and a face shield.

Work hygienic practices : Good industrial hygiene practice should be followed which includes minimizing skin contact.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid Sheets

Appearance : Clear Sheets

Colour : Clear

Odour : Low Odor

pH : Not Applicable

Freezing temperature : Not Applicable

Boiling temperature : Not Applicable

Flash point : Not Applicable

Evaporation rate : Not Applicable

Flammable limits : N/A to N/A

Vapor pressure : Not Applicable

Vapor density : Not Applicable

Specific gravity : > 1

Solubility in water : Negligible

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 08/04/2009
 SDS No : LS1008
 Date Revised : 10/27/2015
 Revision No : 2

Clear Advantage™ Series I Clear Retainer Material

Auto-ignition temperature : Not Applicable

Viscosity : Not Applicable

9.2. Other information

Percent volatile : Not Applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Chemical stability : Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization : Will not occur.

10.4. Conditions to avoid

Conditions to avoid : None

10.5. Incompatible materials

Incompatible materials : Oxidizing materials can cause a reaction.

10.6. Hazardous decomposition products

Hazardous decomposition products : As with any organic material, combustion will produce carbon dioxide and probably carbon monoxide. Oxides of phosphorus and phosphine may also be present.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute

Dermal LD₅₀ : Not Established

Oral LD₅₀ : Not Established

Inhalation LC₅₀ : Not Established

Irritation : Not Established

Sensitisation : Not Established

Mutagenicity : Not Established

SECTION 12: Ecological information

12.1. Toxicity

Toxicity : No Information Available. Toxicity is expected to be low based on insolubility in water.

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

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 08/04/2009
 SDS No : LS1008
 Date Revised : 10/27/2015
 Revision No : 2

Clear Advantage™ Series I Clear Retainer Material

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal method : May be disposed of in a landfill or incinerated. Follow Federal, State and Local regulations for disposal.

SECTION 14: Transport information

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

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

Additional information : Non-hazardous, not regulated.

SECTION 15: Regulatory information

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

15.2. Chemical safety assessment

SECTION 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 : This MSDS replaces the 05/13/2014 MSDS. Revised: **Section 1:** REASON FOR ISSUE. **Section 2:** IRRITANCY.

Manufacturer disclaimer : The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Ortho Technology assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by this material. Such vendees or users assume all risks associated with the use of the material.