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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS</th>
<th>EINECS No.</th>
<th>Vol. %</th>
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<tr>
<td>Cellulose Acetate</td>
<td>9004-35-7</td>
<td>NA</td>
<td>&gt; 60</td>
</tr>
<tr>
<td>Diethyl Phthalate</td>
<td>84-66-2</td>
<td>201-550-6</td>
<td>&lt; 40</td>
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</tbody>
</table>

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.
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
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
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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.

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