



Material Safety Data Sheet Directive 2001/58/EC

1. Product & Company Identification

Product Name :	Eco Orthodontic Impression Trays, Flexi Eco Cheek Retractors With & Without Wings, Aligner Retriever (Remover Tool), Retainer Box, Denture Box, Elastic Placer
Chemical Nature :	Polymer, Polypropylene Homopolymer, Dental
Information on Manufacturer :	Libral Traders Pvt. Ltd. B-84/1, Okhla Industrial Area Phase – 2, New Delhi – 110020, India
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2. Composition / Information on Ingredients

Polypropylene Homopolymer CAS No. : 9003-07-0; 99% (Minimum)

3. Hazards Identification

Generally considered not to be a hazardous material.

4. First Aid Measures

- **Inhalation :** Remove patient from exposure. Keep patient at rest and give oxygen if breathing is difficult. If symptoms develop, obtain medical attention.
- **Skin Contact :** After contact with skin, wash immediately with plenty of soap and water. In case of burns from hot material immediately cool affected skin as long as possible with cold water. Obtain medical attention.
- **Eye Contact :** Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart. If symptoms persist, obtain medical attention.
- **Ingestion :** Unlikely to be hazardous if swallowed. Provided the patient is conscious, wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Do not induce vomiting. If symptoms develop, obtain medical attention.
- **Further Medical Treatment :** Unlikely to be required but if necessary treat symptomatically.

5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Foam, CO₂, Dry Chemical or NFPA Class B extinguisher
- **Unsuitable Extinguishing Media:** N/A
- **Particular Hazards:** Avoid inhalation of vapors.
- **Protective Equipment for Fire Fighters:** Wear self-contained breathing apparatus.

6. Accidental Release Measures

- **Personal Precautions:** Use of NIOSH-approved respirators is recommended when handling hot material. Gloved required when handling hot material. Wear safety glasses. Ventilation is needed when handling hot material.
- **Environmental Precautions:** N/A
- **Cleaning Methods:** Dispose of in accordance with state, local, and federal regulations

7. Handling & Storage

- **Handling:** The handling of pellets may cause nuisance dust to be formed. Take necessary precautions for protection of personnel.
- **Storage:** Store in a closed container.

8. Exposure Control / Personal Protection

Local exhaust ventilation may be necessary for some operations.

- **Eye/Face Protection:** Use safety glasses. If there is a potential for exposure to particles which could cause mechanical injury to the eye, wear chemical goggles. If vapor exposure causes eye discomfort, use a full-face respirator.
- **Skin Protection:** No precautions other than clean body-covering clothing should be needed. Use gloved with insulation for thermal protection, when needed.
- **Respiratory Protection:** In dusty atmospheres, use an approved dust respirator. For most conditions, no respiratory protection should be needed.

9. Physical & Chemical Properties

- **Form:** Solid. Granular.
- **Colour:** White. Off-White
- **Other Colours:** To make other Colours we Mix 2% LD Polyethylene Colour Master Batches
- **Odor:** Odourless
- **Decomposition Temperature :** > 300° C
- **Melting Point / Range:** 140 – 170° C
- **Boiling Point:** N/A
- **Flash Point (Closed Cup) :** > 300° C
- **Ignition Point :** > 410° C
- **Explosive Properties :** Not Explosive. Unlikely to represent a dust hazard under normal. handling conditions. Minimum explosive limit : 10/mg/m³
- **Minimum Ignition Energy (mJ) :** 25 (typically)
- **Oxidising Properties :** N/A
- **Vapor Pressure :** N/A
- **Specific Gravity :** 0.85 – 0.95

- **Solubility in Water:** Insoluble
- **PH-Value (at 10g/1H2O):** N/A
- **Percent Volatile by Volume (%) :** > 0.1

10. Stability & Reactivity

- **Chemical Stability :** Stable Under Normal Conditions. Decomposes at > 300° C
- **Conditions to Avoid:** Heat & Direct Sunlight.
- **Materials to Avoid:** Direct contact with open flames, self igniting and explosive materials.
- **Hazardous Decomposition Products:** Carbon monoxide, Carbon dioxide, Hydrocarbons and Acrid smoke.

11. Toxicological Information

- **Oral Toxicity:** Low toxicity under normal conditions of handling and use.
- **Ingestion :** Low oral toxicity. Polypropylene Homopolymer: LD50 (rat) : >5000 mg/kg
- **Inhalation:** Low acute toxicity. Dusts and vapours or fumes evolved during thermal processing may cause irritation to the respiratory system.
- **Skin Contact :** No evidence of irritant effects from normal handling and use.
- **Eye Irritation:** Dust may have irritant effect on eyes. Permanent damage is unlikely.
- **Long Term Exposure :** Chronic effects are unlikely.

12. Ecological Information

- **Environmental Fate & Distribution:** Solid insoluble in water. Floats on water. The product has low mobility in soil.
- **Persistence and Degradation :** The product is non-biodegradable.
- **Toxicity :** Low toxicity to aquatic organisms.
- **Effect on Effluent Treatment :** Unlikely to affect biological treatment processes.

13. Disposable Considerations

- **Product:** In accordance with state, local, and federal regulations
- **Packaging:** In accordance with state, local, and federal regulations
- **Waste Disposal Code:** In accordance with state, local, and federal regulations

14. Transport Information

- **Overland Transport :** Not Classified as dangerous for transport
- **Sea Transport:** Not Classified as dangerous for transport
- **Air Transport ICAO/IATA-DGR:** Not Classified as dangerous for transport
- **Inland Waterway Transport ADNR:** Not Classified as dangerous for transport

15. Regulatory Information

- **EC Classification :** Not classified as dangerous for supply/use.
 - **Hazard Symbol :** Not applicable.
 - **Risk Phrases :** Not applicable.
 - **Safety Phrases :** Not applicable.
- INTERNATIONAL INVENTORIES
- **EINECS (Europe):** EINECS: Polymer. Monomers included.

16. Other Information

- **Prepared by :** Libral Traders Pvt. Ltd.
- **Issuing Date :** 19th August 2019
- **Revision Date :** 16th October 2020
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