



Material Safety Data Sheet Directive 91/155/EEC

1. Product & Company Identification

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|--------------------------------------|---|
| Product Name : | Premium Orthodontic Impression Trays, Flexi Premium Cheek Retractors With & Without Wings, C & Y Type Retractors, EEZ Lip Retractors, Double Sided Retractors |
| Chemical Nature : | Polycarbonate Polymer. Synthetic Thermoplastic Polymer used to mould parts, Dental |
| Information on Manufacturer : | Libral Traders Pvt. Ltd. B-84/1, Okhla Industrial Area Phase – 2, New Delhi – 110020, India |
| Emergency Contact : | +91 – 11 – 40726666, info@libraltraders.com |

2. Composition / Information on Ingredients

Thermoplastic Polymer

3. Hazards Identification

Generally considered not to be a hazardous material.

4. First Aid Measures

- **Inhalation :** Get Medical Attention.
- **Skin Contact :** Cool melted product on skin with plenty of water. Do not remove solidified product. Get medical attention if thermal burn occurs
- **Eye Contact :** In case of contact, flush eyes with plenty of lukewarm water
- **Ingestion :** Get 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

- **State of Matter:** Solid
- **Appearance:** Pellets
- **Color:** Blue, Transparent
- **Odor:** Odorless Odor
- **Threshold:** No Data Available
- **pH:** Not applicable
- **Melting Point:** 220 - 280 °C (428 - 536 °F) (No statements available.)
- **Boiling Point:** No Data Available
- **Flash Point:** Not applicable.
- **Evaporation Rate:** No Data Available
- **Flammability:** No Data Available
- **Lower Explosion Limit:** Not applicable
- **Upper Explosion Limit:** Not applicable
- **Vapor Pressure:** Not applicable
- **Vapor Density:** No Data Available
- **Density:** 1.2 g/cm³ @ 23 °C (73.4 °F) (DIN 51757)
- **Relative Vapor Density:** No Data Available
- **Specific Gravity:** Approximately 1.11
- **Solubility in Water:** practically insoluble
- **Partition Coefficient:** No Data Available
- **noctanol/water:**
- **Auto-ignition Temperature:** > 450 °C (842 °F) (No statements available.)

| | | |
|---|-----------------------------------|--|
| ➤ | Decomposition Temperature: | > 380 °C (716 °F) |
| ➤ | Unblocking Temperature: | No Data Available |
| ➤ | Dynamic Viscosity: | Not applicable |
| ➤ | Kinematic Viscosity: | No Data Available |
| ➤ | Bulk Density: | ca. 700 kg/m ³ (No statements available.) |
| ➤ | Molecular Weight: | No Data Available |
| ➤ | Self Ignition: | Not applicable |

10. Stability & Reactivity

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|---|--|---|
| ➤ | Chemical Stability : | Stable Under Normal Conditions. Decomposes at > 380° 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

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| ➤ | 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

No Data Available for this product

13. Disposable Considerations

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| ➤ | 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

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|---|--|---|
| ➤ | 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

United States Federal Regulations

US. Toxic Substances Control Act: Listed on the Active Portion of the TSCA Inventory.

No substances are subject to TSCA 12(b) export notification requirements.

US. EPA CERCLA Hazardous Substances (40 CFR 302) Components:

None

SARA Section 311/312 Hazard Categories:

Refer to hazard classification information in Section 2.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) Components:

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required Components:

None

US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):

Under RCRA, it is the responsibility of the person who generates a solid waste, as defined in 40 CFR 261.2, to determine if that waste is a hazardous waste.

State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

The concentrations reported below in units of parts per million (ppm) or parts per billion (ppb) are maximum values.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

Concentration $\geq 1\%$ Components Bisphenol A Polycarbonate CAS-No. CAS# is a trade secret

Massachusetts Right to Know Extraordinarily Hazardous Substance List:

Concentration ≤ 3 ppm Components Methylene Chloride CAS-No. 75-09-2

California Proposition 65 List:

Concentration ≤ 3 ppm Components Methylene Chloride CAS-No. 75-09-2
Trace element Bisphenol A 80-05-7

CFATS (Chemical Facility Anti-Terrorism Standards) Chemicals

To the best of our knowledge, this product does not contain Appendix A Chemicals of Interest (COI), at or above the Screening Threshold Quantity (STQ), as defined by the Department of Homeland Security Chemical Facility Anti-terrorism Standard (CFATS, 6 CFR Part 27).

Based on information provided by our suppliers, this product is considered "DRC Conflict Free" as defined by the SEC Conflict Minerals Final Rule (Release No. 34-67716; File No. S7-40-10; Date: 2012-08-22).

- **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 :** 1st August 2020
- **Revision Date :** 15th September 2021
- **Libral** assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.