

Essix A+® Plastics MSDS

Manufactured for: DENTSPLY Raintree Essix, Inc.
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Bradenton, FL 34203
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- **Chemical Name:** Not Applicable
- **Molecular Form and Weight:** Not applicable
- **Product Use:** Medical/Dental

Composition:

Component(s) Approx. Weight % CAS Reg. No.
Copolyester 10025640-14-6

Hazard Summary

- **Caution:** Molten Material will produce thermal burns. Powdered material may form explosive dust-air-mixtures.

Physical State

- **Solid** (film or sheet)
- **Color:** Colorless
- **Odor:** Slight
- **Odor threshold:** N/A
- **Specific Gravity** (water=1: >1)
- **Evaporation Rate:** N/A
- **Boiling Point:** N/A
- **Melting Point:** 100 degrees C (212 degrees F)
- **Solubility in water:** negligible
- **PH:** N/A
- **Octanol/Water Partition Coefficient:** N/A

Fire and Explosion Hazard

- **Flashpoint:** nonvolatile, combustible
- **Lower Explosive limit:** N/A
- **Upper Explosive Limit:** N/A
- **Autoignition Temperature:** N/A
- **Hazardous Combustion Products:** carbon dioxide carbon monoxide
- **Means of Extinction:** Water spray or dry chemical
- **Special Fire-Fighting Procedures:** Wear self-contained breathing apparatus & protective clothing to prevent contact with skin&eyes.
- Sensitivity to Static Discharge: N/A
- **Explosive Power:** N/A

- **Unusual Fire and Explosion Hazards:** Powdered material may form explosive dust air mixtures. Minimize dust generation and accumulation. Refer to NFPA Pamphlet No. 654 Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries.
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Preventative Measures, Ventilation, and Personal Protection

- **Preventative Measures:** None should be needed under anticipated conditions of use.
- **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 spaces. Mechanical generation of dusts heating drying, etc.
- **Respiratory Protection:** An approved respirator should be worn if needed. Respirator type: dust and fume.
- **Eye Protection:** Safety glasses with side shields (or goggles) are recommended for any type of industrial chemical handling.
- **Hand Protection:** Wear gloves to protect against thermal burns.
- **Recommended Decontamination Facilities:** eye bathe, safety shower, washing facilities

Note: Recommendations for personal protection are for industrial handling of material; requirements for laboratories should be in accordance with good laboratory practices.

First Aid

- **Inhalation:** Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
- **Eyes:** Any material that contacts the eye should be washed out immediately and medical attention obtained if symptoms persist.
- **Skin:** If burned by contact with molten material, cool as quickly as possible with water and see a physician for treatment of burn.

NOTE: to physicians: Burns should be treated as thermal burns. The plastic will come off as healing occurs; therefore, immediate removal from the skin is not necessary.

- **Ingestion:** Material is not expected to be absorbed from the gastrointestinal tract so that induction of vomiting should not be necessary.
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Spill, Leak and Disposal Procedures

- **Steps to be taken in case material is spilled or releases:** Sweep or scoop up and remove.
 - **Waste Disposal** (Observe all laws concerning health and environment.) Incineration
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Special Storage and Handling Precautions

- Keep from contact with oxidizing material.
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Environmental Effects Data

Summary: these materials have not been tested for environmental effects. They are made from high molecular weight polymers with very low water solubility. As such, they are expected to have a low biochemical oxygen and to cause essentially no oxygen

germination and early growth of plants. They are expected to be non-biodegradable and unpleasant. However, they are not expected to cause adverse environmental effects.

Transportation Information

- **DOT (USA) Classification:** not regulated
 - **TDG (Canada) Classification:** not regulated
 - **International Civil Aviation Organization (ICAO):** not regulated
 - **International Maritime Dangerous Goods (IMDG):** not regulated
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Regulatory Information

- **OSHA (USA):** hazardous chemical (s) according to 29 CFR 1910, 1200 none
- **WHMIS (Canada) Controlled material(s):** none
- **WHMIS (Canada) Controlled product:** no
- **Material known to the State of California to cause cancer:** none
- **Material known to the State of California to cause adverse reproductive effects:** none
- **Massachusetts Substance List:** none
- **New Jersey Workplace Hazardous Substance List:** none
- **Pennsylvania Hazardous Substance List:** none
- **Chemical (s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372 (USA):** none
- **SARA (USA) Sections 311 and 312 hazard classifications(s):** N/A
- **CONEG Legislation** - no lead, mercury, cadmium, or hexavalent chromium are intentionally added. The sum of trace impurities for lead, mercury, cadmium, and hexavalent chromium is well below the maximum limit of 100 PPM as proposed in the CONEG legislation.
- **Other Heavy Metals** - No arsenic, selenium and antimony are intentionally added, and the sum of trace impurities is below 20ppm.
- **HMIS Hazard Ratings:** Health - 0, Flammability - 1, Chemical Reactivity-0
- **NFPA Hazard Ratings:** Health - 0, Flammability - 1, Chemical Reactivity-0

Notice: HMIS and NFPA ratings involve data and interpretations that may vary from company to company and are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all information contained in this MSDS must be considered.

- **TSCA:** This material is listed on the TSCA (USA) inventory.
 - **Canadian Environmental Protection Act (CEPA) and Domestic Substances List (DSL).** This product is listed on the DSL or otherwise complies with CEPA new substance notification requirements.
 - **European Inventory of Existing Commercial Chemical Substances (EINECS):** This product is listed on EINECS or has been approved in the European Community by new substance notification.
 - **Australian Inventory of Chemical Substances (AICS) and National Industrial Chemicals Notification and Assessment Scheme (NICNAS):** this product is listed on AIC or otherwise complies with NICNAS.
 - **Japanese Handbook of Existing and New Chemical Substances:** This product is listed in the Handbook or has been approved in Japan by new substance notification.
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The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.