

## Data Sheet

Product: RAMAPET N1 / N2 / S1 / R1 / R180 / N2R / A1 / BF3067 / FuTuRe PET R1-8

### 1. PRODUCT IDENTIFICATION AND COMPANY UNDERTAKING

**A. MATERIAL IDENTITY** :: **RAMAPET****B COMPANY ADDRESS:** : **Indorama Ventures Corlu PET Sanayi A.S.**  
Karamehmet Mah. Avrupa Serbest Bolgesi, 3. Sokak  
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### 2. PRODUCT/INGREDIENTS

**A. PRODUCT** : Polyethylene Terephthalate co-polyester resins**B CAS NO.** : 24938-04-3**C. CONCENTRATION** : >99 % Weight

### 3. HAZARDS IDENTIFICATION

**Low Toxicity.** This product is not considered hazardous. The hazards if any, are associated with its processing.**Appearance & Odour:** Solid, essentially odourless.**Inhalation:** Fines may cause irritation.**Eye Contact:** Avoid contact of product fines with eyes.

### 4. FIRST AID MEASURES

**Inhalation:** Not ordinarily required. Obtain medical attention if ill effects occur.**Skin:** Molten material can cause severe burns. DO NOT try to peel molten polymer from the skin. Cool rapidly with water.**Note to Physicians - Burns** should be treated as thermal burns. The plastic material will come off, as healing occurs; therefore, immediate removal from the skin is not necessary.**Eye Contact:** Low hazardous for usual industrial handling. Use of safety glasses with side shields is recommended. Flush eyes with water while holding eyelids open to remove product fines.**Ingestion:** It is unlikely to occur. If it occurs, treat symptomatically.

### 5. FIRE FIGHTING MEASURES

**A. EXTINGUISHING AGENTS** : Water Spray, Dry Chemical Powder and Carbon dioxide

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**B. FIRE FIGHTING  
INSTRUCTIONS :**

: Wear self-contained breathing apparatus, protective clothing and head gear to prevent contact with skin & eyes.

**C. FIRE & EXPLOSION HAZARDS**

: Low fire hazard. In common with many organic compounds in granular / powder form, it can produce flammable dust clouds in air. On complete combustion, the major products formed are carbon dioxide & water.

**6. ACCIDENTAL RELEASE MEASURES**

**A. Spill & Leak**

Spillages may be slippery. Clear up spillages. Transfer spillages to a container for salvage or disposal. Avoid generating dust clouds.

**B. Disposal**

Observe all state and local regulatory laws governing disposal.

**7. HANDLING & STORAGE**

**A. HANDLING**

Adequate ventilation and cleanliness must be employed in the processing area. Atmospheric levels should be controlled using the principles of good occupational hygiene practice.

**B. STORAGE**

Storage temperatures: Ambient.

Keep containers closed when not in use. Store in a cool and dry place. Don't store near flame, ignition sources, direct sunlight or incompatible materials.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Wear suitable protective clothing.
- Wear thermal insulating gloves and a face shield when handling hot masses.
- When using material in cold processing (e.g. cutting, stamping, grinding), wear suitable eye protection.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**A. PHYSICAL FORM**

: Solid

**B. APPEARANCE & ODOUR**

: Opaque White. Essentially odourless.

**C. SUBSTANCE CHEMICAL FAMILY**

: Co-polyester resin

**D. MELTING RANGE**

: > 240° C

**E. SOLUBILITY IN WATER**

: Insoluble / Negligible

**F. SPECIFIC GRAVITY**

: > 1.35

## **10. STABILITY AND REACTIVITY**

- A. STABILITY** : Material is stable under normal conditions.
- B. INCOMPATIBLE MATERIALS** : Acetic anhydride, acetone, aniline, benzene, chloroform, chromic acid, cyclohexanone, dimethylformamide, dioxan, ethyl acetate, methyl ethyl ketone, methylene chloride, phenol, tetrahydrofuran, trichloroethylene, triethanolamine, caustic soda
- C. HAZARDOUS DECOMPOSITION PRODUCTS** : Above the decomposition temperature, the major volatiles will be terephthalic acid, oligomers of PET, carbon dioxide, carbon monoxide, acetaldehyde, low molecular weight alcohols / aldehydes.
- D. HAZARDOUS POLYMERIZATION** : Will not occur.

## **11. TOXICOLOGICAL INFORMATION**

PET is a non-toxic polymer. Other toxicology related information already covered in earlier sections.

## **12. ECOLOGICAL INFORMATION**

These polymers are high molecular weight polymers and are biologically inactive. These materials have not been tested for environmental effects. However, due to their low or rather negligible solubility in water and high molecular weight, they are expected to have a low Biochemical Oxygen Demand and will cause essentially no oxygen depletion in aquatic systems. They are expected to have a low potential to affect aquatic organisms, secondary waste treatment microorganisms and the germination and early growth of plants. They are expected to be non-biodegradable and unlikely to bio-concentrate. In a spill situation these materials may be visually unpleasant; however, they are not expected to cause any adverse environmental effects.

## **13. DISPOSAL CONSIDERATIONS**

Disposal should be in accordance with local, state or national legislation. The material can be recycled and has commercial value for recyclers.

## **14. TRANSPORT INFORMATION**

Not classified as dangerous for transport.

Not restricted under IATA (International Air Transport Association) regulations.

## **15. REGULATORY INFORMATION**

It is not classified as dangerous for Supply/use.

### **Superfund Amendment & Reauthorisation Act (SARA) Title III :**

This material is not regulated under SARA Title III.

### **TOXIC SUBSTANCES CONTROL ACT (TSCA) Inventory STATUS**

This material is listed on the EPA TSCA Inventory of Chemical Substances.

## **16. OTHER INFORMATION**

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