

Material Safety Data Sheet

PCR PC Regranulate Blue Color

Product Code: 120206

| IDENTIFICATION OF THE SUBSTANCE | |
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| Substance or preparation trade name | Recycled PC (Polycarbonate) |
| Synonyms | Recycled Polycarbonate (r-Pc) |

| COMPOSITION | |
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| Substance | 100% PC (Polycarbonate) |
| CAS Number | 25037-45-0 |
| Classification | N/A |
| EINECS | N/A |

| HAZARD IDENTIFICATION | |
|-------------------------|---|
| Hazards Overview | <p>Spilled pellets create slipping hazard. Pellets can burn in a fire creating dense toxic smoke.</p> <p>Molten plastic can cause severe thermal burns. Fumes produced during melt processing may cause eye, skin and respiratory tract irritation.</p> <p>Secondary operations such as grinding, sanding or sawing can produce dust which may present a respiratory hazard.</p> <p>Product in pellet form is unlikely to cause irritation.</p> |
| MELT PROCESSING Hazards | <p>Molten plastic can cause severe burns. Processing fumes may cause irritation to eyes, skin and respiratory tract and in cases of severe overexposure nausea and headache.</p> <p>There are no known medical conditions that are aggravated by exposure to this product; however certain sensitive individuals and those with respiratory impairments may be affected by exposure to the processing fumes.</p> |

Material Safety Data Sheet

| FIRST AID MEASURES | |
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| Skin Contact | The product is not likely to be hazardous by skin contact, but maintaining good hygiene practices is advised, cleanse after contact. If molten polymer gets on skin cool rapidly with cold water and DO NOT attempt to peel polymer from skin. Obtain medical treatment for thermal burn. |
| Eye Contact | Immediately flood the eye with plenty of water for at least 10 minutes holding the eye open. Obtain medical advice if soreness or redness persists. |
| Ingestion | No specific intervention is required as the compound is not likely to be hazardous by ingestion. Seek medical advice if necessary. |
| Fume | For processing fume inhalation irritation, leave the contaminated area and breathe fresh air. If coughing or other symptoms develop seek medical attention at once. For skin contact with fume condensate, wash affected area with soap and water. If irritation develops seek medical attention. |

| FIRE FIGHTING MEASURES | |
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| Suitable extinguishing media | Water, AFFF (foam), Dry powder, CO2 |
| Unsuitable extinguishing media | None |
| Special hazards in fire | Gases and vapours are produced: ammonia, carbon monoxide, hydrogen cyanide and aldehydes. |
| Required special protective equipment for fire-fighters | Wear full protective clothing and self-contained breathing apparatus. |

| ACCIDENTAL RELEASE MEASURES | |
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| Personal Precautions | Wear appropriate protective clothing. |
| Environmental Precautions | Contain the spill and protect drains and other watercourses. |
| Method for cleaning | Pick up spillages with scoop and brush. |

Material Safety Data Sheet

| HANDLING AND STORAGE | |
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| Handling | No Special handling required |
| Storage | Store in original containers, keep dry |
| CAUTION | Polyethylene pellets on floors are slippery and may create a slipping hazard |

| EXPOSURE CONTROLS | |
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| Engineering measures | Use local exhaust ventilation to control fumes from hot processing |
| Control Measures | Not applicable |
| Personal Protection Equipment | If there is potential for contact with molten material, wear heat resistant gloves, clothing and footwear |
| Eye protection | Wear safety goggles or splash goggles and face shield if the potential exists for contact with molten material |
| Hand protection | If there is potential for contact with molten material, wear heat resistant gloves |
| Hygiene measures | Wash hand after use |

| PHYSICAL AND CHEMICAL PROPERTIES | |
|----------------------------------|--------------------------------|
| Appearance | Solid (flake, crumb or pellet) |
| Odour | Odourless |
| pH | Not applicable |
| Boiling point | Not determined |
| Melting point | 100-110°C |
| Flashpoint | N/A |
| Explosive properties | Not applicable |
| Vapour pressure | Not applicable |

Material Safety Data Sheet

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| Relative density | 1.20-1.22 g/cm ³ |
| Solubility | Insoluble in water and in fats |

STABILITY AND REACTIVITY

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| Conditions to avoid | Exposure to flame or temperatures >299 °C for prolonged periods of time. |
| Materials to avoid | Not applicable |
| Hazardous decomposition products | Hazardous gasses or vapours can be released including cyclopentanone, carbon monoxide, aldehydes and ammonia. |

TOXICOLOGICAL INFORMATION

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| Acute toxicity | No toxicological data is available. |
| Local effects | Excessive exposure may affect human health as follows. Skin contact: Irritation Eye contact: Irritation Inhalation /Ingestion: Irritation |

ECOLOGICAL INFORMATION

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| Data | No data is available on the adverse effects of this product on the environment; Aquatic toxicity is low based upon insolubility with water. |
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DISPOSAL CONSIDERATIONS

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| Disposal | Routes of disposal are (1) recycling, Incineration with energy recovery (2) and landfill (3). Recycling is the most appropriate route while the materials high calorific value makes option 2 desirable for material that cannot be recycled. Treatment, storage and disposal must always be carried out in accordance with local legislation. |
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Material Safety Data Sheet

TRANSPORT INFORMATION

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| Land transport ADR/RID Class | Not classified as dangerous in the meaning of transport regulations. |
| Sea transport IMDG Class | Not classified as dangerous in the meaning of transport regulations. |
| Air transport ICAO/IATA Class | Not classified as dangerous in the meaning of transport regulations. |

REGULATORY INFORMATION

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| EC Classification | Not classified as dangerous for supply/use. |
| Hazard Symbol | Not applicable. |
| Risk Phrases | Not applicable. |
| Safety Phrases | Not applicable. |

OTHER INFORMATION

National regulations, other regulations, limitations and prohibitive regulations :

The information provided in this Material Safety Data Sheet has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty for specific product characteristics. SINOX takes no responsibility for inappropriate use, processing and handling by purchasers and users of the product. The data provided here is applicable only to the Product sold by SINOX and not to products sold by others. It relates only to the Product and does not relate to its use in combination with any other product or material or in any process. Local laws and regulations and conditions of use and suitability of the product for particular uses are beyond the control of SINOX; all risks of use, storage, handling, transportation and disposal of the Product are therefore assumed by the user and SINOX expressly disclaims all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the Product.

Material Safety Data Sheet

SINOX shall not be responsible for any damage or injury resulting from abnormal use of the Product, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the Product. Appropriate warnings and safe handling procedures should be provided to all handlers and users.

