SAFETY DATA SHEET
In According with 3rd revision GHS SDS

Section 1 – Identification

Product Name: POLIMAXX 250PC
Product Type: High Flow
Product Description: SAN, AS Resin
Chemical Name: Acrylonitrile Styrene
Chemical Formula: (C\textsubscript{3}-H\textsubscript{3}-N)\textsubscript{n} (C\textsubscript{8}-H\textsubscript{8})\textsubscript{n}
Chemical Family: Thermoplastic Polymer
Product Use: Can be used to produce extrusion molded articles for commercial or industrial products.
Manufacturer: IRPC (Public) CO., LTD.
Emergency Call: +66(0) 38 802560
Website: www.irpc.co.th, www.irpcmarket.com

Section 2 – Hazards Identification

Regulation (EC) No 1272/2008: This product is not classified as dangerous according to Regulation (EC) No 1272/2008.
Directive 67/548/EEC: This product is not classified as dangerous according to EU Directive 67/548/EEC.
GHS: Not classified
Label elements: Not applicable
Other hazards: Not applicable

Section 3 – Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>Percent weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylonitrile Styrene Copolymer</td>
<td>9003-54-7</td>
<td>Polymer</td>
<td>97.99</td>
</tr>
<tr>
<td>Styrene</td>
<td>100-42-5</td>
<td>202-851-5</td>
<td>&lt; 0.5</td>
</tr>
</tbody>
</table>

Product contains high molecular weight polymers, and is not expected to be chemically active under normal conditions of handling and processing

Section 4 – First-aid Measures

General information: Clothing and shoes must be immediately removed, decontaminated
Skin Exposure: In case of skin contact with hot polymer immediately immerse in or flush with clean, cold water. If irritation develops, seek medical attention.
Eyes Exposure: Flush with water for at least 20 minutes. Seek medical attention if irritation persists
Inhalation: Remove person to fresh air. Assist in breathing if necessary. Seek medical attention.
Ingestion: Seek medical attention if a significant amount is swallowed
Section 5 – Fire-fighting Measures

Suitable extinguishing agents: Dry chemicals, foam, water, carbon dioxide and halon. Do not use water jets for large fires.

Hazards during fire-fighting: Carbon monoxide, carbon dioxide, hydrogen cyanide.

Protective equipment: Wear self-contained respirator protective device.

Section 6 – Accidental Release Measures

Personal precautions: Avoid inhalation.

Environmental precautions: Avoid discharge into the environment.

Cleanup:
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Sweep/shovel up or spray with water and collect in a suitable container. Allow molten material to solidify before disposal. Avoid production of dust.

Section 7 – Handling and Storage

Handling: Do not handle material without protective equipment. Provide adequate ventilation. Maintain good housekeeping in work areas.

Storage conditions: Store in a cool, dry place in the original container when possible. Store below 50ºC. Keep away from moisture, excessive heat and sources of ignition. Do not place in direct sunlight.

Section 8 – Exposure Controls / Personal Protection

Exposure limits

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Reference</th>
<th>TWA ppm</th>
<th>mg/m³</th>
<th>STEL ppm</th>
<th>mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>OSHA PEL*</td>
<td>100</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV</td>
<td>20</td>
<td>-</td>
<td>40</td>
<td>-</td>
</tr>
</tbody>
</table>

*OSHA PEL: Acceptable ceiling concentration (ACC) 200 ppm, maximum concentration above ACC 600 ppm

Exposure control: Ventilation, enclosures, or other controls may be needed to keep airborne contaminates below exposure limits.

Personal protective equipments

Respiratory protection: Wear respiratory protection if ventilation is inadequate. Breathing protection device if dust is formed.

Eye protection: Chemical workers goggles recommended.

Protective clothing: Gloves required when handling hot material. In case of fire, wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.

Ventilation: Provide adequate ventilation when processing material at elevated temperatures.

Other protective equipments: N.A.

Section 9 – Physical and Chemical Properties

Physical State: Solid Form

Odor and Appearance: Transparent or colored pellets, odorless

Softening Point: 100-105 ºC

Specific Gravity (Water =1): 1.06-1.09
Percent Volatile (Vol %) : Nil
Solubility in water : Insoluble
Solubility (Qualitative) : Soluble in polar solvents

**Section 10 – Stability and Reactivity**

Stability : Stable in ambient temperature.
Condition to Avoid : Avoid extreme heat. Avoid sources of ignition.
Material to Avoid : Avoid solvents and oxidizing agents.
Dangerous decomposition: Carbon monoxide, carbon dioxide, styrene, acrylonitrile, hydrocarbon, cyanide.

**Section 11 – Toxicological Information**

Acute Toxicity

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Route</th>
<th>Species</th>
<th>Acute Toxic Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>Oral</td>
<td>Rat</td>
<td>LD$_{50}$ 5000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
<td>Rat</td>
<td>-</td>
</tr>
</tbody>
</table>

Irritating/corrosive effects

Eye Irritation : Prolonged contact can cause eye irritation
Skin Irritation : Prolonged contact can cause skin irritation
Respiratory Irritation : May cause allergic respiratory response.
Ingestion Irritation : Swallowing larger amounts may cause injury

**Section 12 – Ecological Information**

Eco-toxicity : No relevant studies identified.
Persistence and degradability : The product is not easily biodegradable.
Bioaccumulative potential : Not expected to be bioaccumulative due to its insolubility in water.
Mobility in soil : No relevant studies identified.
Other adverse effects : Not expected to pose a significant ecological hazard.

**Section 13 – Disposal Considerations**

Disposal methods:
Transfer to an approved disposal area in accordance with national, state and local regulations. Recycling uncontaminated packaging recommended.
Package must be recycled in compliance with national legislation and environmental regulations.

**Section 14 – Transport Information**

<table>
<thead>
<tr>
<th>Regulatory information</th>
<th>UN number</th>
<th>Classes</th>
<th>Packing group</th>
<th>Label</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR /RID</td>
<td>Not regulated</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>IMDG CODE</td>
<td>Not regulated</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>ICAO/IATA</td>
<td>Not regulated</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
Section 15 – Regulatory Information

**US Toxic Substances Control Act**
All components of this product are on the TSCA Inventory.

**SARA 313**
Material is not subject to SARA 313 reporting requirements.

**OSHA**
None of the chemicals in this product are considered highly hazardous by OSHA.

**European Inventory of Existing Commercial Chemical Substances (EINECS)**
The components of this product are on the EINECS inventory or are exempt from inventory requirements.

The product is not classified as dangerous for supply according to the Regulation (EC) No 1272/2008 and the EC directive 67/548/EEC and 1999/45/EC.

**Canada – DSL**
Material is listed in DSL.

**Canada – WHMIS**
Material is not controlled under WHMIS.

Section 16 – Other Information

The information in this document is based on our best present. Nevertheless, it does not constitute a guarantee for any specific product features and does not establish any a legally binding contract.

**ADR** : European agreement concerning the international carriage of dangerous goods by road.

**RID** : Regulations concerning the international carriage of dangerous goods by rail.

**IMDG – CODE** : International maritime dangerous goods code

**ICAO** : International Civil Aviation Organization

**IATA** : International air transport association

**GHS** : Globally Harmonized System of Classification and Labeling of Chemicals

**WHMIS** : Workplace Hazardous Materials Information System

**DSL** : Canada Domestic Substance List

The information above is believed to be accurate and represents the best of our knowledge, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.