

# SAFETY DATA SHEET

Revision Date : 10 October 2019

## Section 1 – Identification

**Product Name** : 320PC  
**Product Type** : High Heat Resistance SAN  
**Product Use** : Can be used to produce injection or extrusion molded articles for commercial or Industrial products.  
**Manufacturer** : IRPC Public Company Limited  
 299 Moo. 5 Sukhumvit Road, Amphur Muang, Rayong THAILAND  
**Emergency Call** : +66(0) 38 802560  
**Website** : www.irpc.co.th, www.irpcmarket.com

## Section 2 – Hazards Identification

### Classification according to Regulation (EC) No. 1272/2008 (CLP) and GHS Classification :

This product is not classified as dangerous according to Regulation (EC) No 1272/2008 and GHS

**Pictogram** : Not Applicable

**Signal Word** : Not applicable

**Hazard Statement** :

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**Precautionary Statement** :

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## Section 3 – Composition / Information on Ingredients

Chemical Name	CAS Number	EC Number	Percent weight
Acrylonitrile Styrene Copolymer	9003-54-7	Polymer	97-99
Styrene	100-42-5	202-851-5	<0.5

## Section 4 – First-aid Measures

**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 without delay; if pain persists or recurs seek medical attention.

**Inhalation** : Remove person to fresh air.If breathing is difficult, give oxygen.Get medical attention if breathing difficulties continue.

**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. Carbon monoxide, carbon dioxide, hydrogen cyanide.

**Protective equipment** : Wear self-contained respiratory protective device.

### Section 6 – Accidental Release Measures

**Personal precautions** : Avoid inhalation and direct contact.

**Environmental precautions** : Discharge into the environment must be avoided.

**Cleanup :**

Sweep/shovel up or spray with water and collect in a suitable container. Avoid production of dust.

### Section 7 – Handling and Storage

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

**Storage conditions** : Store in cool location and ventilated place. Store below 50 °C. Keep away from moisture, excessive heat and sources of ignition. Do not place in direct sunlight.

### Section 8 – Exposure Controls / Personal Protection

**Exposure limits :**

Component Name	Reference	TWA		STEL	
		ppm	mg/m3	ppm	mg/m3
Styrene	ACGIH TLV	20	-	40	-
	OSHA PEL	100	-	-	-

**Personal protective equipment**

**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 equipment** :

**Engineering Controls** :

## Section 9 – Physical and Chemical Properties

<b>Appearance</b>	: Transparent or colored pellets
<b>Odour</b>	: Odorless
<b>Boiling Point</b>	: Not Applicable
<b>Flash Point</b>	: Not Applicable
<b>Melting Point</b>	: Not Applicable
<b>Vapour Pressure</b>	: Not Applicable
<b>Auto ignition temperature</b>	: Not Applicable
<b>Solubility</b>	: Soluble in polar solvent
<b>Viscosity</b>	: Not Applicable
<b>Upper/Lower flammability or explosive limit</b>	: Not Applicable
<b>pH</b>	: Not Applicable
<b>Relative density</b>	: Not Applicable
<b>Specific Gravity</b>	: 1.06 - 1.09 (Water = 1)
<b>Partition coefficient: n-octanol/water</b>	: Not Applicable
<b>Decomposition temperature</b>	: Not Applicable
<b>Explosive properties</b>	: Not Applicable
<b>Softening Point</b>	: 100 - 105 ?C

## Section 10 – Stability and Reactivity

<b>Stability</b>	: Stable under normal ambient temperature.
<b>Condition to Avoid</b>	: Avoid excessive heat. Avoid temperatures above 300°C.
<b>Material to Avoid</b>	: Avoid solvents and oxidizing agents.
<b>Dangerous decomposition</b>	: Carbon monoxide, carbon dioxide, styrene, acrylonitrile, hydrocarbon, cyanide.

## Section 11 – Toxicological Information

### Acute Toxicity :

Chemical name	Route	Species	Acute Toxic Value
Styrene	Oral	Rat	LD50 5000 mg/kg

### Irritating/corrosive effects

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

## Section 12 – Ecological Information

- Eco-toxicity** : No relevant studies found.
- Persistence and degradability** : The product is not easily biodegradable.
- Bio-accumulative potential** : Insoluble in water. Not expected to be bio-accumulative.
- Mobility in soil** :
- 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

Regulatory information	UN number	Classes	Packing group	Label	Additional information
DOT	Not regulated	-	-	-	
ADR/RID	Not regulated	-	-	-	
IMDG CODE	Not regulated	-	-	-	
ICAO/IATA	Not regulated	-	-	-	

## Section 15 – Regulatory Information

### US Toxic Substances Control Act

All components of this product are on the TSCA Inventory.

### European Inventory of Existing Commercial Chemical Substances (EINECS)

The components of this product are on the EINECS inventory or are exempt from inventory requirements.

### Canada – WHMIS

Material is not controlled under WHMIS.

### NFPA – USA

Health : 0                      Flammability : 1                      Reactivity : 0

### HMIS

Health : 0                      Flammability : 1                      Reactivity : 0

## Section 16 – Other Information

DOT	: Department of Transportation
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	: Domestic Substances List

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