

## SAFETY DATA SHEET

Revision Date : 26 September 2019

### Section 1 – Identification

**Product Name** : SP200  
**Product Type** : General Purpose ABS  
**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** :

-

**Precautionary Statement** :

-

### Section 3 – Composition / Information on Ingredients

Chemical Name	CAS Number	EC Number	Percent weight
Acrylonitrile Butadiene Styrene Copolymer	9003-56-9	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.  
**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. Allow molten material to solidify before disposal. 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	0	0.2	0	-
	OSHA PEL	0	1	0	-

### 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>	: Pellet
<b>Odour</b>	: Characteristic odor
<b>Boiling Point</b>	: Not Applicable
<b>Flash Point</b>	: Not Applicable 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 Not Applicable
<b>Upper/Lower flammability or explosive limit</b>	: Not Applicable
<b>pH</b>	: Not Applicable
<b>Relative density</b>	: Not Applicable Not Applicable
<b>Specific Gravity</b>	: 1.04-1.05
<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 Degree Celcius

## Section 10 – Stability and Reactivity

<b>Stability</b>	: Stable under normal ambient temperature.
<b>Condition to Avoid</b>	: 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	Inhalation	Rat	LC50 0.375 mg./L -4 hrs.
	Oral	Rat	LD50 2140 mg/kg

### Irritating/corrosive effects

<b>Eye Irritation</b>	: Prolonged contact can causes eye irritation.
<b>Skin Irritation</b>	: Prolonged contact can cause skin irritation.
<b>Inhalation</b>	: May cause allergic respiratory response.
<b>Ingestion</b>	: 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** : 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

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 not on the TSCA Inventory or are exempt from inventory requirements.

### 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

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.