

# SAFETY DATA SHEET

In Accordance with 3<sup>rd</sup> revised edition of GHS

## Section 1 – Identification

**Product Name** : AP6203  
**Product Type** : General Purpose Powder  
**Chemical Name** : Acrylonitrile Butadiene Styrene  
**Product Use** : ABS recycle, PC-ABS  
**Manufacturer** : Thai ABS Company Limited (Subsidiary of IRPC Group)  
 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

**Regulation (EC) No 1272/2008**: This product is not classified as dangerous according to Regulation (EC) No 1272/2008.

**GHS** : Not classified as dangerous  
**Label elements** : Not applicable  
**Other hazards** : Not applicable

## Section 3 – Composition / Information on Ingredients

Chemical Name	CAS Number	EC Number	Percent weight
Acrylonitrile Butadiene Styrene Copolymer	9003-56-9	Polymer	> 99.5
Styrene	100-42-5	202-851-5	< 0.5

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 respiratory protective device.

## Section 6 – Accidental Release Measures

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

### 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 proper 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 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	OSHA PEL*	100	-	-	-
	ACGIH TLV	20	-	40	-

\*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 contaminants below exposure limits.

### 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.

## Section 9 – Physical and Chemical Properties

**Physical State** : Powder Form  
**Odor and Appearance** : Plastic powder with slight odor  
**Boiling Point** : Not available  
**Flash Point** : Not available  
**Melting Point** : Not available  
**Vapor Pressure** : Not available

<b>Softening Point</b>	: Not available
<b>Specific Gravity</b>	: Not available
<b>Percent Volatile (Vol %)</b>	: Nil
<b>Solubility in water</b>	: Insoluble
<b>Partition coefficient: n-octanal</b>	: Not available
<b>pH</b>	: Not available
<b>Solubility (Qualitative)</b>	: Soluble in polar solvents

## Section 10 – Stability and Reactivity

<b>Stability</b>	: Stable
<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	Oral	Rat	LD <sub>50</sub> 5000 mg/kg
	Inhalation	Rat	-

### Irritating/corrosive effects

Eye Irritation	: Prolonged contact can causes 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

<b>Toxicity</b>	: No relevant studies identified.
<b>Persistence and degradability</b>	: The product is not easily biodegradable.
<b>Bio-accumulative potential</b>	: Insoluble in water. Not expected to be bio-accumulative.
<b>Mobility in soil</b>	: No relevant studies identified.
<b>Other adverse effects</b>	: 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	Class	Packing group	Label	Additional information
DOT	-	-	-	-	-
ADR / RID	-	-	-	-	-
IMDG CODE	-	-	-	-	-
ICAO / IATA	-	-	-	-	-

## Section 15 – Regulatory Information

### US Toxic Substances Control Act

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 29 CFR 1910.1200.

### HMIS -USA

Health – 0, Flammability – 1, Reactivity – 0

### National Fire Protection Association - USA

Health – 0, Flammability – 1, Reactivity – 0

### 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.

## 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

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