

## SAFETY DATA SHEET

### SECTION 1 - Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product Name : P901BK

Product Type : POLIMAXX HDPE BLACK

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Raw materials for plastic industry, pipe extrusion application

#### 1.3 Detail of the Supplier of the safety data sheet

Manufacturer/Supplier : IRPC Public Company Limited

Address : 299 Moo. 5 Sukhumvit Road, Amphur Muang, Rayong THAILAND

Website : [www.irpc.co.th](http://www.irpc.co.th), <https://polimaxx.irpc.co.th>

1.4 Emergency call : +66(0) 38 802560

### Section 2 - Hazards Identification

#### 2.1 Classification of the substance or mixture

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

#### 2.2 Label elements

Pictogram : Not Applicable

Signal Word : Not Applicable

Hazard Statement : -

Precautionary Statement : -

#### 2.3 Other hazards

### Section 3 - Composition / Information on Ingredients

#### 3.1 Substances

Chemical Name	CAS Number	EC Number	Percent weight	SCL, M-factor, ATE
Polyethylene polymer	9002-88-4	618-339-3	>=98%	-
Additives	-	-	<=2%	-

#### 3.2 Additional information

If molten material comes in contact with the skin, cool under ice water or a running stream of water.

## Section 4 - First-aid Measures

### 4.1 Description of first aid measures

- General notes :** Remove affected persons from the danger area and ensure that is the safety area.
- Following inhalation :** Move the exposed person to fresh air.If the patient is not breathing spontaneously, administer rescue breathing.Get medical attention if breathing difficulties continue.
- Following skin contact :** If molten material comes in contact with the skin, cool under ice water or a running stream of water.DO NOT attempt to remove the material from the skin.Remove could result in serve tissue damage.Get medical attention.
- Following eye contact :** Remove contact lenses, if worn.Get immediate medical attention.
- Following ingestion :** Not a probable route of exposure.
- Self - protection of the first aider :** Please see the detatil in Section6 and Section 8

### 4.2 Most important symptoms and effects, both acute and delayed

No data available

### 4.3 Indication of any immediate medical attention and special treatment needed

In the case of accident or if you feel unwell, seek medical advice immediately.

## SECTION 5 - Firefighting measure

### 5.1 Extinguishing media

- Suitable extinguishing media :** Foam, CO2, Dry chemical powder, water spray or fog.
- Unsuitable extinguishing media :** Avoid using direct streams of water on molten burning material.

### 5.2 Special hazards arising from the substance or mixture

- Hazards during fire-fighting :** Carbon monoxide, carbon dioxide, original monomer other hydrocarbon oxidation products.

### 5.3 Protective equipment

Wear self-contained respiratory protective device.

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

#### 6.1.1 For non-emergency personnel

- Protective equipment :** Wear protective equipment. Keep unprotected persons away.Do not breathe the dust at the level above the recommended exposure limits.
- Emergency procedure :** Not available

### 6.2 Environmental precautions :

Discharge into the environment must be avoided.

### 6.3 Method and material for containment and cleaning up

- 6.3.1 For containment :** Place waste in an appropriate container for disposal.Avoid production of dust.
- 6.3.2 For cleaning up :** Wash area and prevent runoff into drains.
- 6.3.3 Other information :** Not available

### 6.4 Reference to other sections :

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

## Section 7 - Handling and Storage

### 7.1 Precaution for safe handling

**Protective measures :** Observe the usual precautionary measures for chemicals. Do not breathe the dust at the level above the recommended exposure limits.

**Measures to prevent fire :** Avoid smoking, naked lights or ignition sources.

**Measures to prevent aerosol and dust generation :** Avoid dust generation. Filter and ventilate dust where necessary.

**Measures to protect the environment :** Provide adequate ventilation. According to local authorization regulation.

**Advice on general occupational hygiene :** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage conditions :** Local exhaust ventilation should be used over and in the vicinity of machinery involved in handling the molten material.

**Packaging materials :** Protect containers against physical damage and check regularly for leaks.

**Requirements for storage rooms and vessels :** Store in a cool, dry, well-ventilated area or silo away from sources of heat, flame and sparks.

**Further information on storage conditions :** Store away from sources of ignition and heat.

### 7.3 Specific end use(s)

**Recommendations :** See the recommended processing condition and technical data sheet on this product for further information

**Industrial sector specific solutions :** No data available

## SECTION 8 - Exposure controls/personal protection

### 8.1 Control parameters

Exposure limits :

Component Name	Reference	TWA		STEL			
		ppm	mg/m3	ppm	mg/m3		
Polyethylene	Italy-OEL	0	10	0	-	-	-

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

**Substance/mixture related measures to prevent exposure during identified uses :**

Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Structural measure to prevent exposure :** None specific

**Organizational measures to prevent exposure :** No data available

**Technical measures to prevent exposure :** Local exhaust ventilation should be used over and in the vicinity of machinery involved in handling the molten material.

#### 8.2.2 Personal protection equipment

**8.2.2.1 Eye and face protection :** Wear safety glasses with side shields, goggles or face shield.

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

**Other skin protection :** No data available

**8.2.2.3 Respiratory protection :** No special respiration protection is normally required.

**8.2.3 Environmental exposure controls :** Provide adequate ventilation when processing material at elevated temperatures.

**Substance/mixture related measures to prevent exposure :** Provide mechanical ventilation; in general such ventilation should be provided at compounding/converting areas and at fabricating/filling work stations where the material is heated.

**Instruction measures to prevent exposure :** None specific

**Organizational measures to prevent exposure :** Monitoring and control the limit of emission, water discharge, and industrial waste according to local authority.

**Technical measures to prevent exposure :** None specific

## SECTION 9 - Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	: Black Pellet
Odour	: Slight to none
Colour	: Not Applicable
Boiling Point	: Not Applicable
Initial Boiling Point	: Not Applicable
Flash Point	: Not Applicable
Melting Point	: 100-140°C
Vapour Pressure	: Not Applicable
Auto ignition temperature	: Not Applicable
Solubility	: Insoluble in water in water
Viscosity	: Not Applicable
Upper/Lower flammability or explosive limit	: Not Applicable
pH	: Not Applicable
Relative density	: 0.94 - 0.96 g/cm <sup>3</sup>
Vapour density	: Not Applicable
Partition characteristics	: Not Applicable
Specific Gravity	: Not Applicable
Partition coefficient: n-octanol/water	: Not Applicable
Decomposition temperature	: Not Applicable
Explosive properties	: Not Applicable
	:

### 9.2 Other safety information :

## SECTION 10 - Stability and reactivity

- 10.1 Reactivity : Stable under normal ambient temperature.
- 10.2 Chemical stability : Stable under normal ambient temperature.
- 10.3 Possibility of hazardous reactions : Non hazards under normal handling and storage conditions
- 10.4 Condition to avoid : Avoid heating above the recommended processing temperature.
- 10.5 Incompatible material : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.6 Hazardous decomposition products : Small quantities of low molecular weight hydrocarbons, carboxylic acids, carbon oxides can be formed during thermal processing.

## SECTION 11 - Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Chemical name	Route	Species	Acute Toxic Value
Polyethylene	Inhalation	Mouse	LC50 12,000 mg/m3
	Oral	Rat	LD50 >3,000 mg/kg

**Acute toxicity :** No data available

**Skin corrosion/irritation :** No data available

**Serious eye damage/irritation :** No data available

**Respiratory or skin sensitisation :** No data available

**Germ cell mutagenicity :** No data available

**Carcinogenicity :** No data available

**Reproductive toxicity :** No data available

**STOT-single exposure :** No data available

**STOT-repeated exposure :** No data available

**Aspiration hazard :** No data available

### 11.2 Irritating/corrosive effects

**Eye Irritation :** Solid particles may cause transient irritation from mechanical abrasion.

**Skin Irritation :** Molten material may cause thermal burns.

**Inhalation :** Process fumes may cause irritation.

**Ingestion :** May cause a choking hazard if swallowed.

## Section 12 - Ecological Information

12.1 Toxicity : No relevant studies found.

### 12.2 Persistence and degradability

Abiotic Degradation : No data available

Physical and photo-chemical elimination : No data available

Biodegradation : This material is not expected to be readily biodegradable.

### 12.3 Bioaccumulative potential :

Partition coefficient n-octanol/water (log K<sub>ow</sub>) : No data available

Bioconcentration factor (BCF) : No data available

12.4 Mobility in soil : This substance is not in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

Known or predicted distribution to environmental compartments : The product is expected to volatilize rapidly due to its very low boiling point.

Surface tension : No data available.

Adsorption/Desorption : No data available

12.5 Results of PBT and vPvB assessment : No relevant studies identified.

12.6 Endocrine disrupting properties : No relevant studies identified.

12.7 Other adverse effects : This substance is not in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

12.8 Additional information : No data available

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

13.1.1 Product / Packaging disposal : Note that properties of a material may change in use, and recycling or reuse may not always be appropriate. Observe all label safeguards until containers are cleaned and destroyed.

Waste codes / waste designation according to LoW : No data available

13.1.2 Waste treatment-relevant information : Dispose of by: burial in a land-fill specifically licensed to accept chemical and/or pharmaceutical wastes or Incineration in a licensed apparatus (after admixture with suitable combustible material)

13.1.3 Sewage disposal-relevant information : Do not allow this material to drain into sewers/water supplies.

13.1.4 Other disposal recommendations : No data available

## 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	-	-	-	

**Environmental hazards :** not available

**Special precautions for user :** not available

**Maritime transport in bulk according to IMO instruments :** not available

## Section 15 - Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**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 :** This product does not meet WHMIS classification criteria.

### 15.2 Chemical Safety Assessment

This product does not meet WHMIS classification criteria.

## Section 16 - Other Information

**16.1 Indication change :** In the case of accident or if you feel unwell, seek medical advice immediately.

### 16.2 Abbreviation and acronyms

DOT	: Department of Transportation
ADR	: European agreement concerning the international carriage of dangerous goods by road.
ICAO	: International Civil Aviation Organization
IMDG-CODE	: International maritime dangerous goods code
LC50	: Lethal Concentration, 50%
LD50	: Lethal Dose, 50%
NFPA	: National Fire Protection Association
NIOSH	: The National Institute for Occupational Safety and Health
RID	: Regulations concerning the international carriage of dangerous goods by rail.
WHMIS	: Workplace Hazardous Materials Information System
RID	: Regulations concerning the international carriage of dangerous goods by rail.
IATA	: International air transport association
CLP	: Classification and Labeling of Packaging
GHS	: Globally Harmonized System of Classification and Labeling of Chemicals

### 16.3 Key literature references and sources for data :

<http://echa.europa.eu/https://cameochemicals.noaa.gov/>

**16.4 Training advice :** No data available

### 16.5 Further information

#### NFPA - USA

Health : 0                      Flammability : 1                      Reactivity : 0

#### HMIS

Health : 0                      Flammability : 1                      Reactivity : 0

#### SDS Information

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