SAFETY DATA SHEET

Revision Date : 14 September 2021

Section 1 – Identification

Product Name : P901BL

Product Type : HDPE POLIMAXX Blue Compound

Product Use : Raw materials for plastic industry, pipe extrusion application

Manufacturer : IRPC Public Company Limited
299 Moo. 5 Sukhumvit Road, Amphur Muang, Rayong THAILAND

Emergency Call : +66(0) 38802560

Website : www.irpc.co.th, https://polimaxx.irpc.co.th

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
Polyethylene polymer	9002-88-4	618-339-3	>98
Additive	-	-	<2

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Section 4 – First-aid Measures

Skin Exposure : Flush skin and hair with running water (and soap if available).Seek medical attention in event of irritation.

Eyes Exposure : Remove contact lenses, if worn.Flush with water for at least 20 minutes.Get immediate medical attention.

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

Ingestion : Do not induce vomiting unless directed to do so by a physician.If person is conscious, rinse mouth with water.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.
Foam, CO2, Dry chemical powder, water spray or fog.

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

Protective equipment : Use a mask with universal filler.
Use self-contained breathing apparatus and full protective clothing.

Section 6 – Accidental Release Measures

Personal precautions : Avoid dust formation.

Environmental precautions : Discharge into the environment must be avoided.

Cleanup :

Collect spilled material using a method that minimizes dust generation (e.g., wet methods, HEPA vacuum).Place waste in an appropriate container for disposal.Use care during clean-up to avoid exposure to the material and injury from broken containers.

Section 7 – Handling and Storage

Handling : Use with adequate ventilation.Avoid dust generation.Accumulations of dust should be removed from settling areas.Avoid contact with eyes and skin.Avoid smoking, naked lights or ignition sources.

Storage conditions : Store in a cool, dry, well-ventilated area or silo away from sources of heat, flame and sparks.Ventilate enclosed storage areas, such as trailers and railcars, before entering.

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Section 8 – Exposure Controls / Personal Protection

Exposure limits :

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

Personal protective equipment

Respiratory protection	:	Breathing protection device if dust is formed.
Eye protection	:	Wear safety glasses with side shields, goggles or face shield.
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	:	Ensure that eyewash stations and safety showers are proximal to the work-station location.
Engineering Controls	:	For molten materials: 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.Local exhaust ventilation should be used over and in the vicinity of machinery involved in handling the molten material.

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Section 9 – Physical and Chemical Properties

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

Section 10 – Stability and Reactivity

Stability	:	This material is considered a stable thermoplastic, with no chemical reactivity under normal ambient and anticipated handling conditions of temperature and pressure.
Condition to Avoid	:	Avoid heating above the recommended processing temperature.
Material to Avoid	:	May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Dangerous decomposition	:	Small quantities of low molecular weight hydrocarbons, carboxylic acids, carbon oxides can be formed during thermal processing.

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Section 11 – Toxicological Information

Acute Toxicity :

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

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

Eco-toxicity : No relevant studies found.

Persistence and degradability : This material is not expected to be readily biodegradable.

Bio-accumulative potential : Product is not likely to accumulate in biological organisms.

Mobility in soil : No data available.

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

Section 13 – Disposal Considerations

Disposal methods:

This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate. 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) Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

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	-	-	-	-

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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

This product does not meet WHMIS classification criteria.

Section 16 – Other Information

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

NFPA – USA

Health : 0 Flammability : 1 Reactivity : 0

HMIS

Health : 0 Flammability : 1 Reactivity : 0

SDS Information

GHS Revision : 8

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