

# SAFETY DATA SHEET

Revision Date : 26 September 2022

## Section 1 – Identification

**Product Name** : 1100XC, 1100YC, 1100ZC, 1100ZXC  
**Product Type** : Polypropylene Homopolymer  
**Product Use** : Meltblown nonwoven  
**Manufacturer** : IRPC Public Company Limited  
299 Moo. 5 Sukhumvit Road, Amphur Muang, Rayong THAILAND  
**Emergency Call** : +66(0) 38802560  
**Website** : [www.irpc.co.th](http://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** :

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**Precautionary Statement** :

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## Section 3 – Composition / Information on Ingredients

Chemical Name	CAS Number	EC Number	Percent weight
Polypropylene	9003-07-0	Polymer	≥99

## Section 4 – First-aid Measures

**Skin Exposure** : 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. Get medical attention.

**Eyes Exposure** : Remove contact lenses, if worn. 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** : Not a probable route of exposure. If person is conscious, rinse mouth with water. Do not induce vomiting unless directed to do so by a physician. Seek medical advice.

## Section 5 – Fire-fighting Measures

- Suitable extinguishing agents** : Avoid using direct streams of water on molten burning material.
- 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 inhalation and direct contact with molten material.
- 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.
- 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. Keep separated from incompatible substances.

## Section 8 – Exposure Controls / Personal Protection

- Exposure limits** : No exposure limit value known

### Personal protective equipment

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

## Section 9 – Physical and Chemical Properties

<b>Appearance</b>	: Colorless pellets
<b>Odour</b>	: Slight
<b>Colour</b>	: Translucent to white
<b>Boiling Point</b>	: Not Applicable
<b>Initial Boiling Point</b>	: Not Applicable
<b>Flash Point</b>	: Not Applicable
<b>Melting Point</b>	: 130-170°C
<b>Vapour Pressure</b>	: Not Applicable
<b>Auto ignition temperature</b>	: > 300°C
<b>Solubility</b>	: Insoluble in water
<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>Vapour density</b>	: Not Applicable
<b>Partition characteristics</b>	: Not Applicable
<b>Specific Gravity</b>	: < 1 g/cm <sup>3</sup> (Water = 1)
<b>Partition coefficient: n-octanol/water</b>	: Not Applicable
<b>Decomposition temperature</b>	: Not Applicable
<b>Explosive properties</b>	: Not Applicable
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## Section 10 – Stability and Reactivity

<b>Stability</b>	: This material is considered a stable thermoplastic, with no chemical reactivity under normal ambient and anticipated handling conditions of temperature and pressure.
<b>Condition to Avoid</b>	: Avoid heating above the recommended processing temperature.
<b>Material to Avoid</b>	: May react with free halogens.
<b>Dangerous decomposition</b>	: Small quantities of low molecular weight hydrocarbons, carboxylic acids, carbon oxides can be formed during thermal processing.

### Section 11 – Toxicological Information

**Acute Toxicity** : No relevant studies found.

**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** : No data available.

**Mobility in soil** : No data available.

**Other adverse effects** : No data available.

### Section 13 – Disposal Considerations

**Disposal methods:**

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. 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	-	-	-	

## 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.

## Section 16 – Other Information

ADR	: European agreement concerning the international carriage of dangerous goods by road.
DOT	: Department of Transportation
GHS	: Globally Harmonized System of Classification and Labeling of Chemicals
HMIS	: Hazardous Materials Identification System
IARC	: International Agency for Research on Cancer
IATA	: International air transport association
ICAO	: International Civil Aviation Organization
IMDG-CODE	: International maritime dangerous goods code
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.
CLP	: Classification and Labeling of Packaging

### NFPA – USA

Health : 0                      Flammability : 1                      Reactivity : 0

### HMIS

Health : 0                      Flammability : 1                      Reactivity : 0

### SDS Information

GHS Revision : 9

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