

## SAFETY DATA SHEET

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

#### 1.1 Product identifier

Product Name : 1100NK

Product Type : Polypropylene Homopolymer Plastic Resin

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

Relevant identified uses : Raw material for plastic industry, resin, injection molding, plastic molding, compounding or other conversion process.

#### 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) 38802560

### 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
Polypropylene	9003-07-0	Polymer	> 99%	-
Additives	-	-	< 1%	-

#### 3.2 Additional information

The product has not been contained dangerous substances above the limits.

## 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 breathing is difficult, give oxygen.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.Get medical attention.

**Following eye contact :** Remove contact lenses, if worn.Get immediate medical attention.

**Following 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.

**Self - protection of the first aider :** Please see the detail 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 :** Dry chemicals, foam, water, carbon dioxide and halon.

**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

Use a mask with universal filler.

Use self-contained breathing apparatus and full protective clothing.

## 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 :** Observe the usual precautionary measures for chemicals.Wear suitable protective equipment.

**Emergency procedure :** Implement according to procedure manual and safety data sheet.

### 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.

**6.3.2 For cleaning up :** Collect spilled material using a method that minimizes dust generation (e.g., wet methods, HEPA vacuum).

**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. Care should be taken during handling to prevent damage to packaging.
- Measures to prevent fire :** Avoid smoking, naked lights or ignition sources.
- Measures to prevent aerosol and dust generation :** Handling of pellets may form dust. Avoid dust generation.
- Measures to protect the environment :** Exhaust ventilation must be provided in such a way from the personnel handling the product and the efficiency of the exhaust equipment should be periodically checked. Management and monitoring according to local authority 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 :** Provide adequate general and local exhaust ventilation.
- Packaging materials :** Protect containers against physical damage and check regularly for leaks. Incompatible material should not be used.
- Requirements for storage rooms and vessels :** Store in properly closed containers that are appropriately labeled and in a cool well-ventilated area.
- Further information on storage conditions :** Keep away from moisture, excessive heat and sources of ignition.

### 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 :** No exposure limit value known

### 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 :** Observe the chemical safety data sheet. Wearing the protective equipment strictly.

**Organizational measures to prevent exposure :** Strictly implement according to procedure manual and safety data sheet.

**Technical measures to prevent exposure :** Provide adequate general and local exhaust ventilation.

#### 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 :** 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.

**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 :** Appropriate technology should be used.

## SECTION 9 - Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	: Opaque, translucent, colorless pellets or white fluff (powder), solid
Odour	: Slight to none
Colour	: colorless
Boiling Point	: Not Applicable
Initial Boiling Point	: Not Applicable
Flash Point	: 348°C ASTM D1929
Melting Point	: 130 - 170°C
Vapour Pressure	: Not Applicable
Auto ignition temperature	: 380°C
Solubility	: Insoluble in water
Viscosity	: Not Applicable
Upper/Lower flammability or explosive limit	: Not Applicable
pH	: Not Applicable
Relative density	: Not Applicable
Vapour density	: Not Applicable
Partition characteristics	: Not Applicable
Specific Gravity	: 0.85 - 0.95 at 25 C (Water = 1)
Partition coefficient: n-octanol/water	: Not Applicable
Decomposition temperature	: 438°C
Explosive properties	: Not Applicable
Bulk Density	: 400 (powder) - 600 (pellet) kg/m <sup>3</sup>

9.2 Other safety information : No data available

## SECTION 10 - Stability and reactivity

10.1 Reactivity : Non-reactivity under normal handling and storage conditions.

10.2 Chemical stability : This material is considered a stable thermoplastic, with no chemical reactivity under normal ambient and anticipated handling conditions of temperature and pressure.

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 : May react with free halogens.

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

No relevant studies found.

**Acute toxicity :** Conclusive but not sufficient for classification.

**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 :** No data available.

**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 :** No relevant studies identified.

**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 :** Observe all label safeguards until containers are cleaned and destroyed. Shelf life considerations should also be applied in making decisions of this type.

**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 :** This product has not severe effect to environment.

**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 :** Material is not controlled under WHMIS.

### 15.2 Chemical Safety Assessment

No chemical Safety Assessment has been carried out for this substance/mixture by the supplier.



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