

# SAFETY DATA SHEET

In according 3rd revision GHS

Revision Date : 23 January 2018

## Section 1 – Identification

**Product Name** : K1111  
**Product Type** : Homo Polypropylene  
**Product Use** : Injection Molding  
**Manufacturer** : IRPC Public Company Limited  
 54 Moo 2 Suksawad Road Amphur Phrapradaeng Smuthprakarn  
 THAILAND  
**Emergency Call** : +66(0) 38802560  
**Website** : www.irpc.co.th, www.irpcmarket.com

## 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
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.  
**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** : No first aid procedures are required.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. Avoid using direct streams of water on molten burning material.

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

**Protective equipment** : Wear self-contained respiratory protective device.

## Section 6 – Accidental Release Measures

**Personal precautions** : If molten material, avoid breathing vapors.

**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.

## 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. Have emergency equipment for fires and spills readily available.

## Section 8 – Exposure Controls / Personal Protection

### Exposure limits :

Component Name	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Polypropylene	Canada-OEL	-	10	-	-
	Italy-OEL	-	10	-	-

### 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 and opaque pellets
<b>Odor</b>	: Odorless
<b>Boiling Point</b>	: Not Applicable
<b>Flash Point</b>	: Not Applicable
<b>Melting Point</b>	: 130-170°C
<b>Vapor Pressure</b>	: Not Applicable
<b>Auto ignition temperature</b>	: Not Applicable
<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>Specific Gravity</b>	: Not Applicable
<b>Partition coefficient: n-octanol/water</b>	: Not Applicable
<b>Decomposition temperature</b>	: Not Applicable
<b>Explosive properties</b>	: Not Applicable

### Section 10 – Stability and Reactivity

<b>Stability</b>	: Stable under normal ambient temperature.
<b>Condition to Avoid</b>	: Avoid heating above the recommended processing temperature. DO NOT heat without adequate ventilation.
<b>Material to Avoid</b>	: Avoid solvents and oxidizing agents.
<b>Dangerous decomposition</b>	: Carbon monoxide (CO), carbon dioxide (CO <sub>2</sub> ), other pyrolysis products typical of burning organic material.

### Section 11 – Toxicological Information

#### Acute Toxicity

Chemical name	Route	Species	Acute Toxic Value
Polypropylene	Oral	Rat	LD50 > 8,000 mg/kg

#### Irritating/corrosive effects

- Eye Irritation : Solid particles may cause transient irritation from mechanical abrasion.
- Skin Irritation : Not expected to cause skin irritation.
- Inhalation : May cause allergic respiratory response.
- Ingestion : Swallowing larger amounts may cause injury.

## 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 relevant studies identified.
- Other adverse effects** : Not expected to pose a significant ecological hazard.

## 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 in accordance with all applicable regulations. 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	-	-	-	-	-
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.

### 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.

### NFPA – USA

Health : 0                      Flammability : 1                      Reactivity : 0

### HMIS

Health : 0                      Flammability : 1                      Reactivity : 0

### Section 16 – Other Information

ADR	: European agreement concerning the international carriage of dangerous goods by road.
RID	: Regulations concerning the international carriage of dangerous goods by rail.
DOT	: Department of Transportation
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
TWA	: Time Weighted Average
OEL	: Occupational Exposure Limits
LD50	: Lethal Dose, 50%
HMIS	: Hazardous Materials Identification System
NFPA	: National Fire Protection Association
WHMIS	: Workplace Hazardous Materials Information System

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