

## RT535NU-G

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

Product Name : **RT535NU-G**

Intended use : LLDPE for Rotomolding

Company Identification : **INGENIA POLYMERS CO. LTD.**  
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### SECTION 2: Hazards Identification

Classification of the Substance or Mixture : Not hazardous according to the legislation in force.

Physical Hazards : The product can form an explosible dust/air mixture. Refer to Section 7 for Explosion Hazards. **CAUTION!**

Health Hazards: : May have a drying effect on mucous membranes and skin.

Primary Routes of Entry

Eye : Fumes may cause eye irritation during processing.

Skin : Molten polymer will cause thermal burns if it comes in contact with skin.

Inhalation : Fumes may irritate respiratory system if ventilation is inadequate.

### SECTION 3: Composition/information on ingredients

Component	Chemical Name	% By Weight	CAS No.	EINECS No.
Polyethylene	LLD Ethylene/1-Butene Copolymer	100	25087-34-7	not assigned

**SECTION 4: First Aid Measures**

- Eyes : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Skin : If molten polymer gets on skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical treatment for thermal burn.
- Inhalation : If large amounts of vapors released during processing are inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen and call a physician.
- Ingestion : Do not induce vomiting. If vomiting occurs naturally, have subject casual lean forward to reduce the risk of aspiration. Seek medical attention immediately.

**SECTION 5: Firefighting Measures**

- Fire Fighting Measures : Standard procedure for chemical fires.
- Suitable Extinguishing Media : Carbon dioxide, dry chemical, foam or water mist.
- Fire Fighting Equipment : Wear self-contained breathing apparatus and protective suit.
- Unusual Hazards : Treat as a solid that can burn. Avoid accumulation and dispersion of dust to reduce explosion potential. The product can form an explosible dust/air mixture. For further information, see Section 7 Explosion Hazards.
- Hazardous Combustion Products : Burning may produce toxic combustion products.

**SECTION 6: Accidental Release Measures**

- Personal Precaution : Use proper personal protective equipment as indicated in Section 8.
- Environmental Precaution : Do not flush into sanitary sewers or bury into ground.
- Cleanup Instructions : Remove all sources of ignition. Ventilate area.  
Sweep up and shovel into suitable containers for disposal.  
Avoid dust formation. Thoroughly flush residue with water.

**SECTION 7: Handling and Storage**

- Handling: : As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin, and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation.
- Storage: : Store away from oxidizing materials. Keep in a well-ventilated, cool dry place.

Explosion Hazards: : Combustible. Failure or malfunction temperature control system or processing equipment can create fire and explosion hazards

Notes to Users : The user is responsible for designing the system to handle solid and ensuring proper training of employees in the system's use.

### For Industrial Use Only

#### SECTION 8: Exposure Controls/Personal Protection

**Exposure Guidelines** : There are no OSHA or ACGIH exposure guidelines available for component(s) in this product.

COMPONENTS	CAS NO.	OSHA PEL	ACGIH TLV	Manufacturer IEL
Polyethylene	25087-34-7	15 mg/ m <sup>3</sup> TD 5 mg/ m <sup>3</sup> RD	10 mg/ m <sup>3</sup> TD	10 mg/ m <sup>3</sup> TD

TD - Total Dust

RD - Respirable Dust

#### Personal Protective Equipment

- Eye/Face Protection : Wear safety glasses or goggles to protect against dust particles.
- Skin Protection : Wear chemical resistant gloves and protective clothing.
- Respiratory Protection : Use NIOSH approved respirator as needed to mitigate exposure.
- Engineering Controls : Work in well ventilated areas. Do not breathe dust.

#### SECTION 9: Physical and Chemical Properties

Physical Form : Powder	Specific Gravity : 0.9350
Color : White to Off-white	pH : Not determined
Boiling Point : Not applicable	Percent Volatile : Not applicable
Melting Point : 115 to 132 °C	VOC : Not applicable
Solubility in water : Insoluble	Decomposition Temperature : > 300 °C
Vapor Density : Not applicable	Autoignition Temperature : > 300 °C
Vapor Pressure : Not applicable	Flammability Limits in Air : Not determined
Density : Not determined	Flash point : Closed cup:>300°C

#### SECTION 10: Stability and Reactivity

- Stability : Stable.
- Conditions to Avoid : Temperature above 250 °C, static discharges and sources of ignition.
- Materials to Avoid : Strong oxidizing agents, acids
- Hazardous Decomposition Products : Simple hydrocarbons, toxic/irritating gases such as carbon monoxide and dioxide, oxides of nitrogen, aldehydes and other organic vapors.
- Possibility of Hazardous Reactions : None expected.

#### SECTION 11: Toxicological Information

**Acute Oral Toxicity** : LD<sub>50</sub> > 5,000 mg/kg (Rat)

**Acute Dermal Toxicity** : Not available.

**Acute Inhalation Toxicity** : Not available.

**Eye Irritation** : Not available.

**Skin Irritation** : Not available.

**Carcinogenicity** : Not available.

**Mutagenicity** : No known significant effects or critical hazards.

## SECTION 12: Ecological Information

**Environmental effects** : Not readily biodegradable. Avoid uncontrolled releases.

**Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal Considerations

**Spill** : Pellets may create a slipping hazard and should be swept up when spilled.

**Waste Disposal** : Dispose in accordance with local, state, provincial and federal regulations.

## SECTION 14: Transport Information

**Transportation of Dangerous Goods (TDG)** : Not regulated for this mode of transport.

**International Maritime Dangerous Goods (IMDG)** : Not regulated for this mode of transport.

**International Air Transportation Authority (IATA)** : Not regulated for this mode of transport.

## SECTION 15: Regulatory Information

**Regulation (EC) No 1272/2008 including amendments** : No classification and labelling is necessary for this preparation.

## SECTION 16: Other Information

**Contact Information Safety, Regulatory and Environmental:** +966.13.341.8793

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**Release info** : new REACH format

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