

PP

YUNG CHIA CHEMICAL INDUSTRIES CORPORATION

Material Safety Data Sheet

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1. COMPANY IDENTIFICATION

Product Name	PP 1080
Company	YUNG CHIA CHEMICAL INDUSTRIES CORPORATION
Address	1-1 HSIH-HWA 1ST RD LIN-YUAN VILLAGE KA OHSIUNG HSIEN, TAIWAN

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Preparation	Substance
Chemical Name	Polypropylene
Content	>99%(Additives<1%)
Formula	(C ₃ H ₆) _n
CAS No.	9003-07-0
Impurities Contributing to Hazard	None

3. HAZARD IDENTIFICATION

Most Important Hazards	None
Adverse Human Health Effects	None
Environmental Effects	None
Physical and Chemical Hazards	None

4. FIRST AID MEASURES

Inhalation	In case of gases evolving from melted resin, move subject to fresh air Treat symptomatically.
Skin Contact	In case of pellets or powder, wash with water. In case of melt, wash affected skin area and clothing with plenty of (soap and) water Seek medical advice.
Eye Contact	In case of pellets or powder, flush with plenty of water for at least 15 minutes. Seek medical advice if any dust particles still remain.
	In case of gases evolving from melted resin of high temperature, flush with plenty of water for at least 15 minutes. Seek medical advice if necessary.
Ingestion	Induce vomiting. Rinse mouth with water. Seek medical advice if necessary.

5. FIRE-FIGHTING MEASURES

Extinguishing Media	Water, Foam, Dry chemical powder
Special Fire-Fighting Procedure	Self contained breathing apparatus
Fire and Explosion Hazards	None

6. ACCIDENTAL RELEASE MEASURES

Methods for Cleaning up	Recovery if not contaminated or Disposal
Personal Precautions	Pellets or powder remained on ground may cause slipping
Environmental Precautions	Gather pellets and powder thoroughly to avoid birds or fishes taking from draining water.

7. HANDLING AND STORAGE

Handling	Prevent from fire around handling area. Maintain good house keeping standards to prevent accumulation of dust. To avoid dust explosion resulting from the existence of powder, electrostatics eliminators and grounding should be fixed to such equipment as air transferring pipes, bag filters and hoppers. Use electrically conductive filters for bag filters.
Storage	Keep the materials at a cool dry place. Protect from direct sunlight, rain and violent temp erature fluctuation. Fire is inhibited around storage area.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Threshold Limit Value		Not determined
Ventilation		Necessary to exclude dust, fumes and gases.
Personal Protection	Eye	Wear safety glasses for general purpose. Wear chemical goggles for cleaning molding machines.
	Respiratory	Wear masks for cleaning molding machines.
	Gloves	Necessary for handling melted resin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Half Transparent pellets
Melting Temperature	Softening above 175 °C
Solubility	Insoluble in water
Specific Gravity	0.90

10. STABILITY AND REACTIVITY

Flammability	Yes
Flash Point	300 °C
Auto-ignition Temperature	340 °C
Reactivity with Water	No
Stability	Stable and non-reactive under normal handling and storage condition
Dust Explosion	Lower explosion limit 14.5g/m ³ Minimum ignition energy 310mJ Maximum explosion pressure 5.2x10 ⁵ Pa Maximum pressure increase rate 3.5x10 ⁷ Pa/S
Thermal Decomposition Gases	CO, CO ₂ , and Dimer
Combustion Energy	4.2x10 ⁷ J/kg(9960Kcal/kg)

11. TOXICOLOGICAL INFORMATION

Irritation	Fumes or vapors generated from decomposing resin may be irritant to eyes.
Acute oral toxicity(LD50)	Not determined
Mutagenicity	Not determined

12. ECOLOGICAL INFORMATION

To avoid being taken by ocean species or birds, disposal of the waste to the ocean and water sources is inhibited.

13. DISPOSAL CONSIDERATION

Controlled incineration or landfill according to local, state or national laws and regulations concerning health and pollution.
Inadequate incineration may generate toxic gases such as CO, CO₂, H₂O.

14. TRANSPORT INFORMATION

Not classified.

15. REGULATORY INFORMATION

Not available.

16. OTHER INFORMATION

None.