



# **MATERIAL SAFETY DATA SHEET.**

## **COPOLYMER POLYPROPYLENE**

### **Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: COPOLYMER POLYPROPYLENE  
Synonyms:  
Company name: Shanghai SECCO Petrochemical Co., Ltd.  
Address: Xi He Road, Shanghai Chemical Industrial Park  
Postcode: 201507  
Tel. No: 86 21 6725 0560    6725 0580  
Fax No: 86 21 67250866  
Emergency Tel. No: 86 532 8388 9090  
Preparation Date: March 31 2005

### **Section 2 - COMPOSITION / INFORMATION ON INGREDIENTS**

NAME	CAS RN	%
polypropylene	9003-07-0	>99

### **Section 3 - HAZARDS IDENTIFICATION**

#### **STATEMENT OF HAZARDOUS NATURE**

NONHAZARDOUS.

#### **EMERGENCY OVERVIEW**

Exposure may produce irreversible effects.

### **Section 4 - FIRST AID MEASURES**

#### **SWALLOWED**

If swallowed do NOT induce vomiting. Observe the patient carefully. Give water (or milk) to rinse out mouth. Seek medical advice.

#### **EYE**

Immediately hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. seek medical attention.

#### **SKIN**

Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.



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**INHALED**

Remove to fresh air. Lay patient down. Keep warm and rested. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation. Transport to hospital, or doctor.

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**Section 5 - FIRE FIGHTING MEASURES**

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**FIRE AND EXPLOSION HAZARDS**

Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. Prevent from static electricity accumulation. Stay away from ignition source.

**PRODUCT OF COMBUSTION**

Carbon monoxide. Carbon dioxide.

**EXTINGUISHING MEDIA**

Water spray or fog. Foam. Dry chemical powder. BCF (where regulations permit). Carbon dioxide.

**FIRE FIGHTING**

Wear breathing apparatus plus protective gloves for fire only. Prevent, by any means available, spillage from entering drains or water courses. Cool fire exposed containers with water spray from a protected location. DO NOT approach containers suspected to be hot. If safe to do so, remove containers from path of fire.

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**Section 6 - ACCIDENTAL RELEASE MEASURES**

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**SPILLS**

Minor hazard . Slippery when spilt. Wear protective clothing, gloves, safety glasses and dust respirator. , Prevent, by any means available, spillage from entering drains or water courses. No smoking, naked lights or ignition sources. Increase ventilation. Stop leak if safe to do so. Use dry clean up procedures and avoid generating dust. Collect recoverable product into labelled containers for recycling Collect residues and place in labelled polypropylene bag After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using. If contamination of drains or waterways occurs, advise emergency services.

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**Section 7 - HANDLING AND STORAGE**

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**PROCEDURE FOR HANDLING**

Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. Keep containers securely sealed when not in use. Avoid physical damage to containers.



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## RECOMMENDED STORAGE METHODS

Multi ply paper bag with sealed plastic liner or heavy gauge plastic bag. Check that all containers are clearly labeled and free from leaks Packing as recommended by manufacturer.

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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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### ENGINEERING CONTROL

General ventilation. Air concentration should below exposure limits.

### EXPOSURE CONTROLS

TLV TWA: 10 mg/m<sup>3</sup> (Value for particulate matter containing no asbestos and <1% crystalline silica, Inhalable fraction) [ACGIH]

TLV TWA: 3 mg/m<sup>3</sup> (Value for particulate matter containing no asbestos and <1% crystalline silica, Respirable fraction) [ACGIH]

IARC Group 3 Not classifiable.

### PERSONAL PROTECTION

#### EYE

Safety glasses with side shields. Chemical goggles.

#### HANDS/FEET

Wear chemical protective gloves, e.g.. PVC.

Wear safety footwear or safety gumboots, e.g.. Rubber

#### RESPIRATOR

Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant.

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## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL DESCRIPTION: Odourless white to yellow thermoplastic polymer in pellet or powder form. Insoluble in water and cold organic solvents.

Molecular Weight: Not Available

Boiling Range (°C):80(Calc.) Not Available

Melting Range (°C):168-171

Specific Gravity (water=1): 0.90

Solubility in water (g/L): Immiscible

pH (as supplied): Not applicable

pH (1% solution): Not Applicable

Vapor Pressure (kPa): Not Available

Volatile Component (%vol): Not Available Evaporation Rate: Not Available

Relative Vapor Density (air=1): Not Available Flash Point (°C): >350

Lower Explosive Limit (%):Not Available Upper Explosive Limit (%):Not Available

Autoignition Temp (°C): Not Available

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## Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

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**REACTIVITY**

Product is considered stable. Hazardous polymerization will not occur.

**CONDITIONS TO AVOID**

Heat, sparks, flames.

**INCOMPATIBILITIES**

Segregate from strong oxidisers , reducing agents , strong acids and strong alkalis.

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**Section 11 - TOXICOLOGICAL INFORMATION**

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**TOXICITY DATA**

Oral (mouse) LD50: 3200 mg/kg.

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**Section 12 - ECOLOGICAL INFORMATION**

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**ECOTOXICITY DATA:**

Not Available.

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**Section 13 - DISPOSAL CONSIDERATIONS**

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**Disposal Instructions**

All waste must be handled in accordance with local, state and federal regulations. Consult manufacturer for recycling options and recycle where possible. Consult Waste Management Authority for disposal. Incinerate residue at an approved site. Recycle containers where possible, or dispose of in an authorized landfill.

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**Section 14 - TRANSPORTATION INFORMATION**

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PROPER SHIPPING NAME: NONE

Shipping Label: NONE

ID NUMBER: NONE

HAZARD CLASS OR DIVISION: NONE

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**Section 15 - REGULATORY INFORMATION**

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**US Federal Regulations****A. General Product Information**

In addition to Federal and State regulation, local regulations may apply. Check with your local regulatory authorities.

The substance (polypropylene) appears on the TSCA Inventory.

**B. Component Information**

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 455 Appendix A)

SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4): None



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### **China Regulations**

Safety Management Byelaw for Dangerous Chemical substances (Decree No 344 of State Council) makes corresponding regulations for the production, management, storage, using and transportation relevant chemical dangerous substances.

### **Other Regulations**

All Component are listed in the European Inventory of New and Existing Chemical Substances (EINECS)

All Component are found on the Canadian Domestic Substances List.

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## **Section 16 - OTHER INFORMATION**

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