



## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Revision: May 04, 2016

Version 2.0

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Production Name :**

PD0101,PF0107,PF0110,PF0301,PF0105,PI0106, SE0301,SD0101,SF5101, SG0108, SG1503, SH1401, SI0103,SI0104,SI1202,SI1203 (natural color or pigmented)

**Product Description :** Polypropylene Homopolymers /Copolymers Plus Fillers

**Manufactures :**

LCY Chemical Corp.

**Plant Site**

No. 2, Jingjian Road, Dashe District,  
Kaohsiung City 81567, Taiwan

**Taipei Office**

3F, 85, Sec. 4, Bade Road, Taipei 105, Taiwan

**Phone Numbers**

24 Hr. Emergency : (886) 7-351 3211

Emergency : (886) 2-2528 8895

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: White or colored solid pellets

#### POTENTIAL HEALTH EFFECTS

EYES: Dust and process vapors may irritate eyes.

SKIN: Exposure to molten resin may cause thermal burns.

INGESTION: Not Applicable

INHALATION: Dust and process vapors may be irritating to the nose, throat and respiratory tract.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation or redness.

SKIN: Not Applicable

INGESTION: Not Applicable

INHALATION: Irritation of the nose, throat and respiratory tract.

#### ACUTE TOXICITY:

Dust and process vapors may cause eye and respiratory tract irritation.



**CHRONIC:**

None Known

**CARCINOGENICITY:**

This product may contains carbon black which has been identified as a Group 2B possible carcinogen by IARC.

**MUTAGENICITY:**

None Known

**REPRODUCTIVE TOXICTY**

REPRODUCTIVE EFFECTS: None Known

TERATOGENIC EFFECTS: None Known

MEDICAL CONDITIONS AGGRAVATED: None Known

ROUTES OF ENTRY: Eye, Inhalation

TARGET ORGAN STATEMENT: None Known

IRRITANCY: Exposure to dust and process vapors may cause eye and respiratory tract irritation.

SENSITIZATION: None Known

WARNING CAUTION LABELS: Burn Risk - Avoid contact with molten resin.

Explosion Risk - Prevent accumulation of dust particles.

Slipping Risk - Keep walking surfaces free of spilled material.

Vapor Risk - Provide ventilation to avoid exposure to process vapors.

COMMENTS HEALTH: None

HEALTH HAZARDS: Process vapors may cause eye and respiratory tract irritation. Contains carbon black which has been identified as a Group 2B possible carcinogen by IARC.

PHYSICAL HAZARDS: Spilled material may present a slipping hazard.

Exposure to molten resin may cause thermal burns.





### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>ingredients</u>           | <u>Wt%</u> | <u>CAS#.</u> |
|------------------------------|------------|--------------|
| polypropylene                | 0-95       | 9003-07-0    |
| also may contain,            |            |              |
| propylene ethylene copolymer | 0-95       | 9010-79-1    |
| and/or                       |            |              |
| fillers, such as             | 0-50       |              |
| ethylene butene copolymer    | 0-50       | 25087-34-7   |
| ethylene hexene copolymer    | 0-50       | 25213-02-9   |
| ethylene octene copolymer    | 0-50       | 26221-73-8   |
| talc                         | 0-50       | 14807-96-6   |
| calcium carbonate            | 0-50       | 00471-34-1   |

### 4. FIRST AID MEASURES

**EYES:** Flush eyes with water for 15 minutes. Get medical attention.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists. Molten Resin: 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. Removal could result in severe tissue damage. Get medical attention.

**INGESTION:** Not Applicable

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**ANTIDOTES:** Not Applicable

**NOTES TO PHYSICIAN:** None

**ADDITIONAL INFORMATION:** None

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Not Determined

**FLAMMABLE LIMITS:** Not Yet Determined

**AUTOIGNITION TEMPERATURE:** Not Determined

**EXTINGUISHING MEDIA:** Use foam, carbon dioxide, or water spray when fighting fires involving this material.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide, carbon monoxide, antimony compounds, bromine compounds, nitrogen oxides, unidentified organic compounds.

**EXPLOSION HAZARDS:** Product as shipped is not a combustible dust. However, a combustible concentration of dust may occur when fines are suspended in air.

**FIRE FIGHTING PROCEDURES:** Standard procedures for Class A fires.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained pressure demand breathing apparatus,



(MSHA/NIOSH approved or equivalent) and full protective gear.

**SENSITIVE TO STATIC DISCHARGE:** Static discharge could be an ignition source for a combustible concentration of dust.

**SENSITIVITY TO IMPACT:** Not Applicable

## 6. ACCIDENTAL RELEASE MEASURES

### SMALL SPILL:

Sweep up material and place in a disposal container.

### LARGE SPILL:

Vacuum or sweep up material and place in a disposal container.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Keep pellets out of waterways.

**LAND SPILL:** Not yet Determined

**AIR SPILL:** Not yet Determined

**GENERAL PROCEDURES:** Vacuum or sweep up material and place in a disposal container.

**RELEASE NOTES:** None

**SPECIAL PROTECTIVE EQUIPMENT:** None

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep away from heat, sparks and flame.

### HANDLING:

Ground and bond containers when transferring material.

### STORAGE:

This product may react with strong oxidizing agents and should not be stored near such materials. Store boxes and bags of material in areas protected with automatic sprinklers.

**STORAGE TEMPERATURE:** 60°C (140°F) maximum

**LOADING TEMPERATURE:** Not Determined

**LOADING/UNLOADING VISCOSITY:** Not Determined

**STORAGE PRESSURE:** Not Determined

**STORAGE PRESSURE:** Not yet Determined



**STORAGE TEMPERATURE:** Store in a cool place below 140 F, 60 C.

**LOADING TEMPERATURE NOTES:** Not yet Determined

**SHELF LIFE:** Not yet Determined

**SPECIAL SENSITIVITY:** Not yet Determined

**ELECTROSTATIC ACCUMULATION HAZARD:** Material may accumulate static charges during transfers.  
Ground and bond containers when transferring material.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Provide adequate room ventilation.

Provide adequate ventilation at the extruder to minimize exposure to process vapors.

Eliminate ignition sources during repair and maintenance operations.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses with side shields (or goggles).

**SKIN:** When handling or processing resins at elevated temperatures or in a molten state, wear protective clothing over the skin to prevent contact. Wear suitable gloves.

**RESPIRATORY:** A respiratory protection program that meets OSHA 1910.134, ANSI Z88.2 and/or CSA Z94.4-93 requirements must be followed whenever workplace conditions warrant use of a respirator.

**PROTECTIVE CLOTHING:** When handling or processing resins at elevated temperatures or in a molten state, wear protective clothing over the skin to prevent contact.

**WORK HYGIENIC PRACTICES:** Not Established

**OTHER USE PRECAUTIONS:** Eyewash fountains and safety showers should be easily accessible.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid

**ODOR:** Slight waxy odor

**APPEARANCE:** Pellet

**COLOR:** Transparent to colored

**PERCENT VOLATILE:** Not Determined

**FREEZING POINT:** Not Applicable

**MELTING POINT:** Not Determined

**DENSITY:** Not Determined

**SPECIFIC GRAVITY:** 0.88 to 1.32

**VISCOSITY:** Not Available

**MOLECULAR WEIGHT:** Not Available



**(VOC) NOTES:** Not yet Determined

**COMMENTS:**

**PHYSICAL STATE:** None

**VAPOR PRESSURE:** Not Applicable

**VAPOR DENSITY:** Not Applicable

**BOILING POINT:** Not Applicable

**WATER SOLUBILITY:** Negligible

**EVAPORATION RATE:** Not Applicable

## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Keep away from heat, sparks and flame.

**POLYMERIZATION:** Product will not undergo polymerization.

**HAZARDOUS DECOMPOSITION PRODUCTS:** At elevated temperatures the material will begin to decompose, producing fumes that can contain carbon dioxide, carbon monoxide, antimony compounds, bromine compounds, nitrogen oxides, unidentified organic compounds.

**INCOMPATIBLE MATERIALS:** Oxidizing materials.

## 11. TOXICOLOGICAL INFORMATION

**COMMENTS:** Not Available

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Available

**ECOTOXICOLOGICAL INFORMATION:** Not Available

**DISTRIBUTION:** Not Available

**CHEMICAL FATE INFORMATION:** Not readily biodegradeable..

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** (1) Recycle (reprocess). (2) Incineration including energy recovery of waste material in a permitted facility in accordance with local, state or provincial and federal regulations. (3) Landfilling in a licensed facility in accordance with local, state or provincial and federal regulations.

**RCRA HAZARD CLASS:** This product is not judged to be a hazardous waste by any local, state or federal regulations; however, it may be listed as industrial waste in some states or provinces.

This product is not listed in the U.S. federal hazardous waste regulations, 40 CFR 261.33 paragraphs (e) or (f), i.e., chemical products that are considered hazardous if they become wastes. It does not exhibit any of the



台北公司 · 105 台北市八德路四段 85 號 3 樓  
3F, 85, Sec. 4, Bade Road, Taipei 105, Taiwan, ROC

Tel · 886-2-25288895 Fax · 886-2-25288823

工廠 · 81567 高雄市大社區經建路 2 號  
No. 2, Jingjian Road, Dashe District,  
Kaohsiung City 81567, Taiwan, ROC

Tel · 886-7-3513211 Fax · 886-7-3515424





hazardous characteristics listed in 40 CFR 261 Subpart C. State or local hazardous waste regulations may apply if different from the federal.

## 14. TRANSPORT INFORMATION

**SPECIAL SHIPPING NOTES:** This product is not regulated by DOT, IMO, IATA, Canadian TDG and associated regulations, ADR or RID.

## 15. REGULATORY INFORMATION

### UNITED STATES

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA STATUS:** All ingredients in this product are in compliance with TSCA.

**CLEAN WATER ACT:** This product is regulated under EPA's Clean Water Act/NPDES rules as "floating material". In addition, this product is considered "significant material" under the EPA's storm water permit rules.

### CANADA

**WHMIS (WORKER HAZARDOUS MATERIALS INFORMATION SYSTEM):** This MSDS meets WHMIS format requirements.

**CANADIAN ENVIRONMENTAL PROTECTION ACT:** All ingredients in this product are listed under CEPA on the DSL.

### STATES WITH SPECIAL REQUIREMENTS

|                   |                                                                                                                                                                                                                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Calcium carbonate | Massachusetts Right To Know List- Present<br>Minnesota Hazardous Substance List- [present] - includes inert or nuisance dust<br>Pennsylvania Right To Know List- Present                                                                                                                                            |
| Carbon black      | Massachusetts Right To Know List- [present] - exempt when encapsulated or if particulates are not present and cannot be substantially generated through use of the product.<br>Minnesota Hazardous Substance List- carcinogen<br>New Jersey Right To Know List- Present<br>Pennsylvania Right To Know List- Present |



## 16. OTHER INFORMATION

### **MANUFACTURER DISCLAIMER:**

Customers and other users should do their own testing before making commercial use of the product to ensure that the product is fit for the intended application and that the product can be used, and any waste material disposed of, safely, properly, and legally based on the customer's or other user's circumstances.

LCY makes no warranties, express or implied, with respect to the product, including (without limitation) warranties of merchantability or fitness for a particular purpose. The customer or other user of the product assumes all risk and liability arising out of the use of the product, whether used alone or in combination with other materials. LCY's liability, if any, for breach of contract, breach of warranty, negligence (including that of LCY) or other tort, strict liability, or any other claim shall not exceed in amount the purchase price of LCY products with respect to which such cause arose. In no event shall LCY be liable for consequential, special, or incidental damages.



台北公司 · 105 台北市八德路四段 85 號 3 樓  
3F, 85, Sec. 4, Bade Road, Taipei 105, Taiwan, ROC

Tel · 886-2-25288895 Fax · 886-2-25288823

工廠 · 81567 高雄市大社區經建路 2 號  
No. 2, Jingjian Road, Dashe District,  
Kaohsiung City 81567, Taiwan, ROC

Tel · 886-7-3513211 Fax · 886-7-3515424

