



# USI CORPORATION

## MATERIAL SAFETY DATA SHEET

### 1. Identification Of The Material And Company

Product Name	LOW DENSITY POLYETHYLENE RESINS
Trade Name	PAXOTHENE® NA112-27、NA207-66、NA205-15、NA208、NA248、NA248A
Main Applications	Blown film extrusion, Extrusion coating, Injection molding.
Producer Information	Supplier Name: USI Corporation
	Addresses : 12th Fl., No.37 Ji Hu Road, Nei Hu, Taipei, 114
	Phone: +886-2-87516888

### 2. Hazardous Identification :

Hazardous category	None
Contents of label	None
Other Hazards	None

### 3. Composition/Information On Ingredients

#### Pure substance :

Product Name	LOW DENSITY POLYETHYLENE RESINS
Synonyms	LDPE
Chemical Abstracts Number	09002-88-4 (CAS No.)
Hazardous Components	None (Percentage of additives Ingredient)

#### Mixture :

Chemical Character :

Hazardous Components	Concentration / Percentage
None	---

### 4. First Aid Measures :

#### Emergency And First Aid Procedures :

● Eye Contact : Rinse opened eye for several minutes under running water. Seek medical advice if pain persists.

● Inhalation : move person to fresh air; if effects occur, consult a physician.

● Skin Contact : If contact with molten material, immediately immerse contacted area with cold water. Don't attempt to peel the molten material apart from skin. Seek medical advice promptly.

● Ingestion : very low toxicity. if swallow may cause choking. Consult a physician when swallow a large amount pellets.

Major Symptom And Harm Effect : None

First-Aid Personal Protection : No need

Notes to physician : expatiate symptom or phenomenon of the patient.

### 5. Fire Fighting Measures

Suitable Extinguishing Media : Water, carbon dioxide, dry chemical, alcohol- or universal-type of foams, following the techniques recommended by the manufacturer.

Special Exposure Hazards : Dust may be explosive when mix with air.



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Special Extinguishing Procedure : 1. Stand on the up-wind side, then apply fire extinguisher. to cover the fire area thoroughly. 2. if possible, remove the remaining pellets or goods to a safe location. 3. Appropriate protective fire fighting clothing and respirator are necessary for firefighters.	
<b>6. Accidental Release Measures</b>	
Personal Protection : None	
Environmental Protection : None	
Methods For Cleaning Up : Use standard disposal procedure to clean the leakage, and if the leakage is over the legal limit and may cause pollution, it is necessary to inform the local authorities.	
<b>7. Handling And Storage :</b>	
Handling : Keep material away from the traffic area, for it may be slippery. Use in well-ventilated area. Proper grounding and packaging to prevent the build up of static electricity during transportation.	
Storage : Store in a cool location (60~80 °F, 15~26°C), away from direct sunlight or any source of heat. Keep container tightly closed when not being used.	
<b>8. Exposure Control/Personal Protection</b>	
Engineering Control : Ventilated area to prevent accumulation of dust and fumes.	
Control Factor : TWA/STEL/CEILING/Biotic Index (BEI):---	
<u>Personal Protection Equipment :</u>	
● Respiratory Protection : Use dust-proof mask.	
● Hand Protection : Use rubber gloves. Use thermal resistant gloves, when needed.	
● Eye Protection : Use safety goggles, when dust is present.	
● Skin & Body Protection : Long sleeve lab coats and gloves to protect skin exposure.	
Hygiene Procedures : None	
<b>9. Physical And Chemical Properties / Characteristics</b>	
Appearance : Solid pellets	Odor : negligible
Odor threshold : not applicable	PH value : Not applicable
Melting Point : 98~111°C	Boiling Point/ Boiling Range : Not applicable
Inflammability : Not applicable	Flash Point : 340 °C
Decomposition Temperature : >400°C	Test Method : Open Cup Close Cup
Spontaneous Temperature : 340°C	Exposure Limits : Not applicable
Vapor Pressure : Not applicable	Vapor Density : Not applicable
Density: 0.910 ~ 0.930	Solubility In Water : Insoluble
Partition coefficient(n-octanol/water, log Kow) : ---	Volatility Speed : ---
<b>10. Stability And Reactivity :</b>	
Stability : Stable	
Special Conditions Of Hazardous Reaction : Not applicable	
Conditions To Avoid : Temperature over 250 °C	
Incompatibility : might react with strong oxidant.	



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Hazardous Decomposition Products : carbon monoxide, carbon dioxide and a wide variety of innocuous or toxic fumes.

**11. Toxicological Information :**

Exposure : it might cause the respiratory system uncomfortable while inhaling the dust or smog.

Symptom : None

Acute toxicity : None

Chronic toxicity : None

**12. Ecological Information**

Ecological Toxicity : Difficult to biodegrade. It can be recycled by using appropriate technologies.

Sustainable and De-toxic : hard to naturally degrade.

Ecologic Accumulation : None

Liquidity in Soil : None

Other poor Effect : To burn them improperly might generate hazardous gas.

**13. Disposal Information :**

Disposal Information : Dispose of waste material at an approved waste incineration facility in accordance with applicable regulations.

**14. Transport Information**

The United Nations Number(UN-No) : Not regulated

The United Nations Shipping Name : Not regulated

D.O.T. Hazard Class : Not regulated as a hazardous for transportation.

Package Category : Not regulated

Maritime Pollutants : Not regulated

Special Transport Way And Note : Not regulated

**15. Regulatory Information :**

Low Density Polyethylene(CAS#9002-88-4) is listed in the following chemical inventories:

-USA-TSCA

-Canada-DSL

-European EINECS are exempt from the listings,all monomers are listed.

-Australian AICS

-Korean ECL

-Philippines PICCS

-Chinese Inventory of Existing Chemical Substances

**16. Other Information :**

Reference	None
Producer	USI Corporation
MSDS prepared by	Mr. CL Liu ( Technical Support Department)
Revision date	2009/2/16