

# Yantai Longcai Advanced Materials Co., Ltd

# MSDS

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## LongCester® LC-88 Material Safety Data Sheet

### 1. IDENTIFICATION OF THE SUBSTANCE

**Trade Name:** LC-88

**Company Name:** Yantai Longcai advanced Materials Co.Ltd

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Pure/compound Product:** Polyacrylate, adsorbed on silicon dioxide

**Hazardous Ingredients:** None

### 3. HAZARDS IDENTIFICATION

- 1) **Hazards Identification:** The product is not classified as dangerous goods according to GB-13690-92
- 2) **Health Hazard:** No special hazard
- 3) **Environment Hazard:** No special hazard
- 4) **Explosive Hazards:** None

### 4. FIRST AID MEASURES

- 1) **Skin contact:** Wash with plenty of soap and water, do not use organic solution. If dermatitis occurs, seek medical advice
- 2) **Eye contact:** Immediately hold eyelids apart and flush the eye continuously with running water at least 15 minutes. If the eye feels stinging, seek medical advice.
- 3) **Inhalation:** Remove patient to fresh air .if inflammation occurs in the respiratory system or mucous membranes, or feel uncomfortable or prolonged inhalation, also seek medical advice.
- 4) **Ingestion;** Give patient 500~800ml water to drink, if activated carbon is available, give slurry of activated charcoal in water to drink ,if natural vomiting occurs, ensure airways are clear to prevent asphyxiation. Continually give patient water to drink. Induced vomiting must be applied by emergency personnel .If narcosis or convulsion occurs, do not give any drinks or food, seek immediate medical advice.

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## 5. FIRE FIGHTING MEASURES

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- 1) **Specific Hazards** : No special hazards
- 2) **Extinguish Media**: water spray ,CO<sub>2</sub>,foam and chemical powder
- 3) **Unsuitable Extinguish Media**: water jet
- 4) **Precautions in Connections with Fire**: Do not allow run-off from fighting to enter drains, water courses or surface water .Ensure to apply enough measure to contain contaminated water .Dispose the contaminated water and earth according to the relevant regulation.
- 5) **Protective Equipment**: **Fire** fighters should wear chemical resistant protective clothing and self-contained breathing apparatus.
- 6) **Hazardous Combustion Products**: Carbon monoxide, carbon dioxide etc toxic vapors.

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal Protection**: Avoid inhalation of dust; keep away from the source of ignition. Avoid contact with skin and eye.

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## 7. HANDLING AND STORAGE

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- 1) **Handling Precaution**: Open container with care. Avoid generating dust and inhalation of dust; keep away from the source of ignition. Keep well –ventilation in the working area .Do not eat, drink or smoke in the working area.
- 2) **Storage Precaution**: **Store** in a cool, well ventilated place. Remaining unused should not be exposed to air. Avoid humidity, like flour, sawdust; this product has the possibility of explosion. There is the risk of explosion with air, so it should avoid producing dust formation .Avoid static and spark in workplace. Before load and unload ,the packing should be earthed ,or the container for unload should be earthed

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## 8. EXPOSURE CONTROLS ,PERSONAL PROTECTION

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- 1) **Maximum Allowable Concentration**: 10mg/m<sup>3</sup> (Permissible concentration-8hr. Time Weighted Average)
- 2) **Protective Measure**: **Maximum** allowable concentration should be tested by suitable analysis equipments.
- 3) **Respirator Protection** : if the ventilation is poor ,it should wear self-contained breathing apparatus
- 4) **Hand Protection** : wear suitable glove
- 5) **Skin Protection** :Wear protective clothing buttoned at neck and wrist

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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|-----------------------------|----------------------------------|
| 1) Appearance: White powder | 2) Temperature of melting: N/A   |
| 3) Solid content: ≥99%      | 4) Specific gravity (20°C): 1.35 |

**10. STABILITY AND REACTIVITY**

**Conditions to Avoid:** Static discharge, spark

**Materials to Avoid:** strong acid, strong alkali, strong oxidant and water

**Hazardous Decomposition Products:** Oxides of carbon and oxides of phosphor etc .toxic vapors.

**Hazardous Polymerization:** will not occur

**11. TOXICOLOGICAL INFORMATION**

**Acute Toxicity:** Rat Oral LD 50>2000mg /kg EEC 88/379  
 Rat Oral LD50 mg/kg

**Chronic Toxicity:** No Data

**Acute Irritant:** Rabbit Eye: No irritant EEC 88/379  
 Rabbit Skin: No irritant EEC 88/379  
 Guinea pig skin: No sensitive EEC 88/379

**12 ECOLOGICAL INFORMATION**

Acute Toxicity- Fish:	LC50	Not determined	mg/l	zebra fish	96 Hours	OECD 203
Acute Toxicity- Daphnia	EC50	Not determined	mg/l	Daphnia mud	24 Hours	OECD 202
Acute Toxicity- Bacteria	LC50	Not determined	mg/l	Bacteria	3 Hours	OECD 209
Acute Toxicity- Algae	EC50	Not determined	mg/l	Scenedesmus	72 hours	

Bioaccumulation ---

Ecological Effect: Do not release into environment.

**13. DISPOSAL CONSIDERATIONS**

**Waste Property:** Industry solid waste

**Waste Disposal:** Chemical residua should be incinerated or disposed according to local regulations.

**Container Disposal:** Contaminated packaging should be disposed of in the same manner as the product .Non –contaminated packaging may be treated like household waste or recycled

**14. TRANSPORT INFORMATION**

<b>Flash Point :</b>	> 246°C		CN No.: None
<b>Dangerous Goods Code:</b>	UN No.:	None	Class: User-defined
<b>Transport Packaging (China)</b>	Symbol:	None	Packing Group: User -defined
<b>RID/ADR(Europe land – carriage)</b>	Hazardous: Classification	Not controlled	Packing Group: User –defined
<b>IMO(International Maritime Organization)</b>	Hazardous: Classification	Not controlled	Packing Group: User –defined
<b>ICAO(International Civil Aviation Organization)</b>	Hazardous: Classification	Not controlled	Packing Group: User –defined
<b>Transport:</b>	Prevent packaging from damage and being affected with damp.		

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### 15. REGULATORY INFORMATION

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**EC No:** None

**EC Label:** None

**Classification:** User –defined

**Safety Phrase:** S61 Avoid release to the environment .Refer to special instructions/safety data sheets.

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### 16.OTHER INFORMATION

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Use or store product according to the criteria of industrial hygiene and local regulations This MSDS summarizes our best knowledge of the health and safety hazard information of the product, and it is validated on issue date. If the version is updated in the future, we will not notify again. If further information is required, please visit the Yantai Longcai advanced Materials Co., Ltd. Website:

[www.longcester.com](http://www.longcester.com)