



## MATERIAL SAFETY DATA SHEET

### 1 IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product name Lutein  
Company Aurora Industry Co.,Ltd.  
Add Room 7033, No.9-1, Haifu Road, Dalian Free Trade Zone, China  
Tel 0411-82288674

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Composition Lutein  
CAS No 127-40-2

### 3 HAZARDS IDENTIFICATION

Potential human health effects Not considered hazardous when handled under normal conditions with good house keeping, but may cause eye or skin irritation on prolonged or repeated exposure.

#### Carcinogenicity

NTP No  
IARC No

### 4 FIRST AID MEASURES

Inhalation Assure fresh air breathing. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Skin contact After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.

Eye contact Rinse with running water for a few minutes. Get medical attention if irritation develops.

Ingestion Wash out mouth with water.

### 5 FIRE-FIGHTING MEASURES

Suitable extinguishing media Dry chemical powder. Water spray, fog or foam. Do not use water jet.

Protection against fire Do not enter fire area without proper protective equipment, including respiratory protection.

Explosion hazardous Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Hazardous These products are carbon oxides (CO, CO<sub>2</sub>).



combustion  
products

## 6 ACCIDENTAL RELEASE MEASURES

General precautions	Remove ignition sources. Avoid raising dust. Ensure adequate ventilation.
Personal precautions	Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.
Clean up precaution	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

## 7 HANDLING AND STORAGE

Handling	Keep away from heat. Keep away from sources of ignition. Keep away from oxidizing agents. Do not breathe dust. Wear suitable protective clothing. Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable dust masks. If you feel unwell, seek medical attention.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering control	Keep ventilation.
Personal protection	
Respiratory protection	Required when dusts are generated.
Hand protection	Wear suitable gloves resistant to chemical penetration.
Skin protection	Wear suitable protective clothing.
Eye protection	Chemical goggles or safety glasses.
Industrial hygiene	Handle in accordance with good industrial hygiene and safety practice. Immediately change contaminated clothing. Wash hands and face after working with the substance.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Chemical formula	C <sub>40</sub> H <sub>56</sub> O <sub>2</sub>
Molecular weight	568.88
Colour	Red-orange
Physical state	Powder
Melting point	No data available
Boiling point	No data available
Solubility	No data available
Flash point	No data available



## 10 STABILITY AND REACTIVITY

Stability and reactivity	Stable under normal conditions.
Materials to avoid	Strong oxidizers, reducing agent.
Conditions to avoid	Warming, humidity.
Hazardous reactions	None under normal conditions.
Hazardous polymerization	Has not been reported.

## 11 TOXICOLOGICAL INFORMATION

No data available

## 12 ECOLOGICAL INFORMATION

Do not allow product to enter drinking water supplies, waste water or soil.

## 13 DISPOSAL CONSIDERATIONS

Dispose of this material and its container at hazardous or special waste collection point.  
Dispose in a safe manner in accordance with local/national regulations.

## 14 TRANSPORT INFORMATION

Not classified.

## 15 REGULATORY INFORMATION

Not available.

## 16 OTHER INFORMATION

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