

# Material Safety Data Sheet

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SAFETY DATA SHEET

12/28/2007

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

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YILLONG CHEMICAL GROUP LIMITED      Feilo Edifice Plaza, 6F/602, No 398,  
Yonghe Road, 200072,  
Zhabei District, Shanghai, China,

24 HOUR EMERGENCY RESPONSE NUMBER :      +86-13588052122  
For product information:      +86-21-65266643

Product Name:      CELOCELL PM - HYDROXYPROPYL METHYLCELLULOSE  
Issue Date: 12/28/2007

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

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Component	CAS #	Amount (%W/W )
Hydroxypropyl Methyl Cellulose	9004-65-3	85 - 99 %
Sodium chloride	7647-14-5	0.5 - 5 %
Water	7732-18-5	1 - 10 %

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## 3. HAZARDS IDENTIFICATION

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### EMERGENCY OVERVIEW

Appearance White  
Physical State Powder  
Odor Mild  
Hazards of product

CAUTION!    STATIC IGNITION HAZARD CAN RESULT FROM HANDLING AND USE.  
DUST DISPERSED IN AIR MAY BE IGNITED AND BURN RAPIDLY. PLASTIC CONTAINER, IF  
PRESENT, MAY CAUSE STATIC IGNITION HAZARD. SLIPPERY WHEN WET.

### POTENTIAL HEALTH EFFECTS

(See Section 11 for toxicological data.)

EYE: Essentially nonirritating to eyes. Solid or dust may cause irritation or corneal injury due to mechanical action.

SKIN: Essentially nonirritating to skin. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

INGESTION: Single dose oral toxicity is considered to be low.  
No hazards anticipated from swallowing small amounts incidental to normal handling operations.

INHALATION: Single exposure to dust is not likely to be

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hazardous.

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: Repeated ingestion of similar celluloseics by humans has not resulted in known significant adverse effects.

CANCER INFORMATION: Similar celluloseics did not cause cancer in long-term animal studies.

TERATOLOGY (BIRTH DEFECTS): Birth defects are unlikely.

Exposures having no adverse effects on the mother should have no effect on the fetus.

REPRODUCTIVE EFFECTS: In animal studies, a similar celluloseic has been shown not to interfere with reproduction.

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#### 4. FIRST-AID MEASURES

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##### INHALATION

Remove to fresh air.

##### EYE CONTACT

Immediately flush eyes with water and continue washing for several minutes. Remove contact lenses, if worn. Obtain medical attention if discomfort persists.

##### SKIN CONTACT

Wash skin with soap and water.

##### SWALLOWING

If a large quantity (several ounces) has been swallowed, and if patient is fully conscious, give two glasses of water. Induce vomiting. This should be done only by medical or experienced first-aid personnel. Obtain medical attention.

##### NOTES TO PHYSICIAN

Toxicology studies have shown this or similar material to be of very low acute toxicity. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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#### 5. FIRE FIGHTING MEASURES

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##### Extinguishing Media

Water fog or fine spray. Carbon dioxide.

##### Extinguishing Media to Avoid

DO NOT USE WATER JET. Dust explosion hazard may result from forceful application of fire extinguishing agents.

##### Hazardous Combustion Products

None known. Complete combustion will give carbon dioxide and water.

##### Protection of Firefighters

Wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves).

##### Specific Fire or Explosion Hazards

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Dust of this product suspended in air is flammable and poses a definite explosion hazard if ignited.

This product may release residual isopropanol and accumulate flammable vapours in enclosed spaces.

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## 6. ACCIDENTAL RELEASE MEASURES

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### Methods of Cleaning Up

Sweep up, recover if possible, or dispose of according to applicable regulations. Spills may cause very slippery surfaces when wet.

If the spill is a viscous solution it should be further diluted with water before disposal.

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## 7. HANDLING AND STORAGE

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### Handling

Fine dust of this product can form explosive mixtures with air and poses a definite fire and explosion hazard at all times; keep away from ignition sources. May cause very slippery surfaces when wet.

### Storage

Store in a well ventilated area. This product may release residual isopropanol and accumulate flammable vapours in enclosed spaces.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### ENGINEERING CONTROLS:

Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

### PERSONAL PROTECTIVE EQUIPMENT

#### EYE/FACE PROTECTION:

Use safety glasses. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

#### SKIN PROTECTION:

No precautions other than clean body-covering clothing should be needed.

#### RESPIRATORY PROTECTION:

Atmospheric levels should be maintained below the exposure guideline. In dusty or misty atmospheres, use an approved particulate respirator.

#### EXPOSURE GUIDELINES:

Hydroxypropyl methyl cellulose: Yil-Long IHG is 10 mg/m<sup>3</sup>.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE/PHYSICAL STATE:	White to off-white powder or granules
ODOR:	Odorless
VAPOR PRESSURE:	Not applicable
VAPOR DENSITY:	Not applicable
BOILING POINT:	Not applicable

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SOLUBILITY IN WATER/MISCIBILITY:

SPECIFIC GRAVITY/OR DENSITY: Not applicable

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10. STABILITY AND REACTIVITY

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## CHEMICAL STABILITY:

Stable under recommended storage conditions.

See Storage, Section 7.

## CONDITIONS TO AVOID:

Product can decompose at elevated temperatures.

## HAZARDOUS DECOMPOSITION PRODUCTS:

Hazardous decomposition products depend upon temperature, air supply and the Presence of other materials.

## HAZARDOUS POLYMERIZATION:

Will not occur.

## INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with oxidizing materials. Avoid contact with strong acids, strong bases.

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11. TOXICOLOGICAL INFORMATION

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(See Section 3 for Potential Health Effects. For detailed toxicological data, write or call the address or non-emergency number shown in Section 1)

INGESTION: The oral LD50 for rats is &gt;10,000 mg/kg.

MUTAGENICITY: For methylcellulose, a similar cellulosic: in vitro mutagenicity studies were negative; animal mutagenicity studies were negative.

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12. ECOLOGICAL INFORMATION

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(For detailed Ecological data, write or call the address or non-emergency number shown in Section 1)

ENVIRONMENTAL FATE MOVEMENT &amp; PARTITIONING: No bioconcentration is expected because of the relatively high molecular weight (MW greater than 1000).

## DEGRADATION &amp; PERSISTENCE:

Based largely or completely on information for methylcellulose: biodegradation may occur under aerobic conditions (in the presence of oxygen). The half-life in activated sludge is less than 20 days.

ECOTOXICITY: Based largely or completely on information for similar material(s): material is practically non-toxic to fish on an acute basis (LC50 &gt;100 mg/L).

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13. DISPOSAL CONSIDERATIONS

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Any disposal practice must be in compliance with all local and national laws and regulations. Customers are advised to check their local legislation governing the disposal of waste materials.

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14. TRANSPORT INFORMATION

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Product is not classified for any mode of transportation.

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15. REGULATORY INFORMATION

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EC Classification and User Label Information

This product does not require classification according to the criteria of the Commission of the European Communities.

Remarks: Safety data sheet available for professional users on request.

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16. OTHER INFORMATION

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Additional product safety information on this product may be obtained by calling your Yil-Long Chemical Customer Service contact.

The Information Herein Is Given In Good Faith, But No Warranty, Express Or Implied, Is Made. Consult The Yil-Long Chemical Company For Further Information.