

MATERIAL SAFETY DATA SHEET

WeKcelo® METHYL HYDROXYPROPYL CELLULOSE

Effective Date :01-01-2017

Expiry date : 01-01-2022

WeiKem Chemical (hereinafter, and for purposes of this MSDS only, refers to the WeiKem Chemical Co.,Ltd) encourages and expects you to read and understand the entire MSDS, as there is important information throughout the document. WeiKem Chemical Co.,Ltd expects you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

IDENTIFICATION

Product Name: WEKCELO[®] METHYL HYDROXYPROPYL CELLULOSE WeKcelo MP

COMPANY IDENTIFICATION

Supplier

WeiKem Chemical Co., LTD Chemical,China.

No. 35 Dingxing Road, Yangzhou Food Industry Zone, Yangzhou, JiangSu ,China.

Emergency telephone number

Emergency telephone number: 86-514-85819777

Emergency contact E-mail: yt@weikem.com

COMPOSITION INFORMATION

Component	CAS #	%W/W	Hazard
Methyl hydroxypropyl cellulose	9004-65-3	≥82.4%	WHMIS: not hazardous
Sodium acetate	127-09-3	≤9.6%	WHMIS: not hazardous
Water	7732-18-5	≤5.0%	WHMIS: not hazardous
Cellulose	9004-34-6	≤1.0%	WHMIS: not hazardous

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance	White
Physical State	Powder
Odor	Mild

POTENTIAL HEALTH EFFECTS

Potential Effects of a Single Acute Exposure

Inhalation

Dust may cause irritation of the respiratory tract, experienced as nasal discomfort and discharge

Eye Contact

Dust may cause discomfort in the eye and slight excess redness of the conjunctiva

Skin Contact

No evidence of harmful effects from available information

Skin Absorption

No evidence of harmful effects from available information

Swallowing

No evidence of harmful effects from available information

FIRST AID MEASURES

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 plenty of water

SWALLOWING

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

NOTES TO PHYSICIAN

Toxicology studies have shown this or similar material to be of very low acute toxicity. There is no specific antidote

FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES - REFER TO SECTION 9, PHYSICAL AND CHEMICAL PROPERTIES

EXTINGUISHING MEDIA

Apply water spray (fog), alcohol-type or all-purpose-type foams by manufacturer's recommended techniques for large fires.
Use CO₂ or dry chemical media for small fires.

FIRE FIGHTING PROCEDURES

Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Use self-contained breathing apparatus and protective clothing

ACCIDENTAL RELEASE MEASURES

Steps to be Taken if Material is Released or Spilled:

FOR SPILL: Cover with absorbent, sweep up, collect and dispose immediately. Will absorb moisture and become slippery.

Personal Precautions:

Wear suitable protective equipment. See Section 8.2 - Personal Protection

HANDLING AND STORAGE

HANDLING

General Handling

Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Avoid heat, sparks and flame under dust conditions. Clean up spills. Keep container closed. Store and use with adequate ventilation. Wash thoroughly after handling.

STORAGE

Store in accordance with good industrial practices. Storage information may be obtained from product-specific Storage, or by calling WeiKem Chemical Co.,Ltd's Customer Information 86-514-87783286 (China).

EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS Component Exposure Limits Skin. Form

Sodium Chloride 10 mg/m³ TWA8 WeiKem Chemical Co.,Ltd

Methyl cellulose 10 mg/m³ TWA8 ACGIH

Consult local authorities for recommended exposure limits. In the Exposure Limits Chart above, if there is no specific qualifier (i.e., Aerosol) listed in the Form Column for a particular limit, the listed limit ludes all airborne forms of the substance that can be inhaled.

PERSONAL PROTECTION

Respiratory Protection:

Atmospheric levels should be maintained below the exposure guideline
When respiratory protection is required, use an approved air-purifying or positive-pressure supplied-air respirator depending on the potential airborne concentration.

Ventilation:

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

Eye Protection:

Monogoggles.

Protective Gloves:

Polyvinyl chloride coated

Other Protective Equipment:

Eye Bath, Safety Shower

PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Powder
Appearance:	White
Odor:	Mild
Flash Point - Closed Cup:	No test data available
Flammable Limits In Air:	Lower No test data available. Upper No test data available
Ignition Temperature:	400 °C / 752 °F ASTM
Vapor Pressure:	No test data available
Boiling Point (760 mmHg):	No test data available
Relative vapor Density (air = 1):	No test data available
Specific Gravity (H2O = 1):	Not applicable
Bulk Density:	0.4 - 0.6 g/cm ³ 25 - 37 lb/ft ³
Freezing Point:	No test data available
Melting Point:	> 200 °C > 392 °F Decomposes
Solubility in Water (by weight):	No test data available
pH:	No test data available
Molecular Weight:	> 60000 g/mol
Percent Volatiles:	~ 5.0 Wt%

STABILITY AND REACTIVITY

STABILITY/INSTABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Will not occur

TOXICOLOGICAL INFORMATION

ACUTE TOXICITY PERORAL :	Rat = 12.5 g/kg; 20% suspension in corn oil
Mortality:	0/5
Major Signs:	sluggishness
Gross Pathology:	None
Percutaneous :	Rabbit = 4 g/kg; test material moistened with water; 24 h occluded
Mortality:	0/5
Major Signs:	None.
Gross Pathology:	Rat; 1 h; LC50 = > 30 g/m ³

Toxicology for the Component

IRRITATION

Skin.: Rabbit; 24 h uncovered; 2% suspension in water

Results: no irritation

Eye: Rabbit; 0.5 ml; 2% suspension in water

Results: no corneal injury

Eye: Rabbit; 40 mg; powder

Results: no corneal injury

SIGNIFICANT DATA WITH POSSIBLE RELEVANCE TO HUMANS

Pharmacokinetic and material balance studies have shown that only minor amounts of METHYL HYDROXYPROPYL CELLULOSE penetrate the skin under single sustained occluded conditions of cutaneous contact.

ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE

Information may be available, call WeiKem Chemical Co.,Ltd

ECOTOXICITY

Information may be available, call WeiKem Chemical Co.,Ltd.

FURTHER INFORMATION

None.

DISPOSAL CONSIDERATIONS

DISPOSAL

Don't dump into any sewers, on the ground, or into any body of water. All disposal practices must be in compliance with local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

TRANSPORT INFORMATION

TDG - CHINA

SMALL CONTAINER Proper Shipping Name : NOT REGULATED

LARGE CONTAINER Proper Shipping Name : NOT REGULATED

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

IMO

NON-HAZARDOUS FOR SEA TRANSPORT :

NON-HAZARDOUS FOR SEA

Land transport (ADR/RID)

Other applicable information(land transport)

No hazardous material as defined by the transport regulations

Inland waterways transport(AND)

Other applicable information(inland waterways transport)

No hazardous material as defined by the transport regulations

Marine transport(IMDG)**Other applicable information(marine transport)**

No hazardous material as defined by the transport regulations.

Air transport(ICA0)**Other applicable information(air transport)**

No hazardous material as defined by the transport regulations.

REGUALTION INFORMATION

Labeling in accordance with EC-Directives

Hazard warning labeling not compulsory

OTHER INFORMATION

ADDITIONAL INFORMATION

ADDITIONAL INFORMATION: Additional product safety information on this product may be obtained by calling WeiKem Chemical Co.,Ltd's Customer Information 0086-514-87783286 (China). Ask for the brochure: WEKCELO MP Storage

RECOMMENDED USES AND RESTRICTIONS

Thickener, binder, stabilizer, film former, protective colloid

FOR INDUSTRY USE ONLY

SAFETY NOTICE:

Read and understand the Material Safety Data Sheet (MSDS) before handling this product. All MSDS sheet is available for download from www.wekcelo.com

PACKAGING AND STORAGE:

WeKcelo[®] is supplied in multi-ply paper bags with polyethylene intermediate layer, containing 25 kgs; shrink palletizing is available by ordering a minimum quantity of 750 kgs.

WeKcelo[®] has a long shelf life (minimum 12 months) stored in dry, normal temperature condition and no direct sun shine.

For more exact information, please contact local our sales representative and your local authorized distributor.

Date of Issue: 15th Dec, 2011

NOTICE: WeiKem Chemical Co.,Ltd urges each customer or recipient of this MSDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this MSDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that its activities comply with all federal, state, provial or local laws.

The information presented here pertains only to the product as shipped. Se conditions for use of the product are not under the control of WeiKem Chemical Co.,Ltd, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product.,