

# SAFETY DATA SHEET

## -- MCM CuLMSC-SFM 31

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

<b>Product Name:</b>	MCM CuLMSC-SFM 31
<b>Company:</b>	Shanghai Tofflon Bio-reagent Co., Ltd
<b>Address:</b>	No. 139 Duhui Road, Minhang District, Shanghai
<b>Telephone:</b>	+86 21 64909996
<b>Product Number:</b>	CM031-500

### SECTION 2: Hazards identification

**GHS classification and label elements, including precautionary statements:**

Not classified as a hazardous substance or mixture.

**Type of composition or mixture:**

Not classified as a hazardous substance or mixture.

**Hazards not covered by other classifications (HNOC) or GHS:**

No

### SECTION 3: Composition/information on ingredients

**Uniform product or mixture:**

Mixture

**Intended use:**

For research use or further manufacturing. Not for diagnostic use or direct administration into humans or animals.

**Composition/information on ingredients:**

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

**Hazardous ingredients:**

Not hazardous

### SECTION 4: First aid measures

**Inhalation:**

No special precautions are required if breathed in.

**Skin contact:**

Rinse with soap and plenty of water.

**Eye contact:**

Rinse immediately with plenty of water.

**Ingestion:**

Rinse mouth thoroughly with water and have person drink plenty of water. Never give anything by mouth to an unconscious person.

**Note to physicians:**

Treat according to symptoms.

**SECTION 5: Firefighting measures****Extinguishing media:**

Water, alcohol-resistant foam, dry chemicals, carbon dioxide.

**Special hazards arising from the substance or mixture:**

The nature of the decomposition products is not known.

**Advice for firefighters:**

If necessary, an independent fire extinguisher should be equipped to extinguish the fire.

**Protection for firefighters:**

Perform firefighting activities upwind, avoiding the inhalation of hazardous gasses. Wear self-contained breathing apparatus for firefighting if necessary.

**More information:**

Use water spray to cool unopened bottles.

**SECTION 6: Accidental release measures****Personal precautions:**

Avoid breathing vapor, mist or gas. Use personal protective equipment.

**Environmental precautions:**

Do not let product enter drains. Ensure that contaminated waste water is not released into the environment before being properly treated.

**Methods and materials for sealing and cleaning:**

Control spillage and then collect them without combustible absorbent material. Dispose of contaminated items in suitable closed containers.

**SECTION 7: Handling and storage****Precautions for safe handling:**

No special precautions required.

**Conditions for safe storage:**

Store at 2 ~ 8°C protected from light.

**Safety handling precautions:**

Obtain instruction before use.

**Specific use:**

No data available.

**SECTION 8: Exposure controls/personal protection****Control parameters:**

Control concentration: No data available

Permissible concentration China Society for Occupational Health: Not established

ACGIH TLV(S): Not established

OSHA PEL: Not established

**Limitation of exposure:**

No substances with operational exposure limits.

**Exposure Control Device:**

Avoid splashes and ensure ventilation.

**Protective equipment:**

Respiratory protection: respiratory protective equipment is not required. If ventilation is required or insufficient, wear respirator and components which tested and approved by appropriate government standards.

Hand protection: Protective gloves.

Eye protection: Protective eyewear.

Skin and Body protection: Protective clothing.

Sanitary practices: General industrial sanitary practices.

**Control of environmental exposure:**

If safety can be ensured, measures can be taken to prevent further leaks or spills. Don't let the product go down the drain.

Avoid discharge into the surrounding environment.

**SECTION 9: Physical and chemical properties**

<b>Form:</b>	Liquid
<b>Color:</b>	Clear, red liquid
<b>Odor:</b>	No odor
<b>pH:</b>	7.0 ~ 7.6 (25°C)
<b>Boiling point/Boiling range:</b>	No data available
<b>Melting point/Melting range:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Flash point:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available

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<b>Oxidizing properties:</b>	No data available
<b>Solubility:</b>	Dissolves in water
<b>Specific gravity:</b>	No data available

**SECTION 10: Stability and reactivity****Stability:**

Stable

**Reactivity:**

No data available

**The possibility of a dangerous reaction:**

No data available

**Conditions to avoid:**

avoid light

**Materials to avoid:**

Strong oxidants

**Hazardous decomposition:**

None under normal use conditions

**Dangerous decomposition products formed under fire conditions:**

No data available

**SECTION 11: Toxicological information****Information on toxicological effects**

<b>Acute toxicity:</b>	No data available
<b>Local effects:</b>	No data available
<b>Skin corrosion/irritation:</b>	Not harmful
<b>Severe eye injury/eye irritation:</b>	No data available
<b>Respiratory system or skin sensitization:</b>	No data available
<b>Germ cell mutagenicity:</b>	No data available
<b>Intake:</b>	No data available
<b>Carcinogenicity:</b>	None
<b>Reproductive toxicity:</b>	No data available
<b>Specific target organ toxicity:</b>	No known effects under normal conditions of use

**Aspiration hazard:** No data available

## SECTION 12: Ecological information

### Ecotoxicity:

**Aquatic toxicity:** No data available

**Solubility in water:** Soluble

**Persistence/Degradability:** No data available

**Bioaccumulation:** No data available

**Mobility in soil:** No data available

**Other adverse reactions:** No data available

## SECTION 13: Disposal considerations

### Waste treatment:

Dispose according to local public and other applicable regulations.

### Contaminated packaging:

Empty containers should be used for local recycling.

## SECTION 14: Transport information

### Ministry of Communications:

Non-dangerous goods

### International Maritime Dangerous Goods Transport Regulations:

Non-dangerous goods

### International Air Transport Association:

Non-dangerous goods

## SECTION 15: Regulatory information

Regulations on the safe use of chemicals in the workplace and other regulations, have made corresponding regulations on the safe use, production, storage, transportation, and unloading of hazardous chemicals.

**Substances Control Law:** Not applicable

**Industrial Safety and Health Law:** Products not applicable as organic solvents

**Law for promotion of Chemical Management  
(Pollutant Release and Transfer Register Law):** Not applicable

**Fire Service Law:** Not applicable

<b>Ship Safety Law (Regulations for the Carriage and Storage of Dangerous Goods in Ship):</b>	Not applicable
<b>Civil Aeronautics Law:</b>	Not applicable

**SECTION 16: Other information****References:**

Globally Harmonized System of classification and labeling of chemicals, (5th ed., 2013), UN Recommendations on the TRANSPORT OF DANGEROUS GOODS 19th edit., 2015 UN Classification, labeling and packaging of substances and mixtures (table3-1 ECNO6182012)  
2012 EMERGENCY RESPONSE GUIDEBOOK (US DOT)  
2016 TLVs and BEIs. (ACGIH)  
<http://monographs.iarc.fr/ENG/Classification/index.php>  
JISZ7253 (2012)  
JISZ7252 (2014)  
2015 Recommendation for allowable concentrations (Japan Society for Occupational Health)  
Supplier's data/information

**Responsibilities:**

The above information is believed to be correct but does not purports to be complete and is intended as a guide only. In this document. The information is based on our current knowledge and appropriate safety precautions applied to the product.

Shanghai Tofflon Bio-reagent Co., Ltd. shall not be liable for any damage caused by handling or contact with the above products.

It is the user's responsibility to develop appropriate handling methods and personal protection methods according to the actual use situation.