

MSDS NO.:MSYH26FLO620

CREATION DATE: 2026/01/10

VERSION:
2026

MATERIAL SAFETY DATA SHEET

(MSDS)

MANUFACTURER: HUBEI MEISHENGYAHENG NEW MATERIAL TECHNOLOGY CO., LTD

ADDRESS: NO.10, SANHUA INDUSTRIAL PARK, XISHUI,HUANGGANG,HUBEI,CHINA

PRODUCT INFORMATION:

PRODUCT NAME: WATER-BASED PRIMER

MODEL: M318

REVISION DATE: 2026/01/10

SUMMARY : THIS SAFETY DATA SHEET WAS PREPARED IN ACCORDANCE WITH GLOBALLY HARMONIZED
SYSTEM OF CLASSIFICATION AND LABELING OF CHEMICALS (GHS) REV.10. PLEASE
REFER TO THE ATTACHED REPORT FOR DETAILS.

APPROVED BY: 

Material Safety Data Sheet (MSDS)

In accordance with GHS Rev. 10

Section 1 - Chemical Product and Company Identification

1.1 Product Identification:

Product Name: Water-based Primer

Product Model: M318

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For use as flooring material

Use advised against: No data available

1.3 Details of the Manufacture or supplier

Manufacture: Hubei Meishengyiaheng New Material Technology Co., Ltd.

Address: No.10, Sanhua Industrial Park, Xishui, Huanggang, Hubei, China 438204

Telephone: (0086) 400-878-0800 (24 h)

Email: info@msyh.com.cn

1.4 Emergency telephone number

Emergency Telephone: (0086) 400-878-0800 (24 h)

Section 2 - Hazards Identification

2.1 Classification of the substance or mixture

According to GB18218-2018 "General Rules for Classification and Hazard Communication of Chemicals," this product has the following hazards:

Skin Corrosion/Irritation: Category 2

Sensitization – Skin: Category 1

Serious Eye
Damage/Irritation: Category 1

Specific target organ toxicity,
Single exposure;Respiratory
tract irritation: Category 3

2.2 GHS Label elements, including precautionary statements

Hazard pictograms:



Signal word:

Danger

2.3 Hazard statements:

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

2.4 Precautionary statements

Prevention

P261 Avoid breathing dust/fume.

P264 Wash hands and other parts of the body (if related)thoroughly after handling.

P271 Use only outdoors or with adequate ventilation.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P264+P265 Wash hands and other parts of the body (if related)thoroughly after handling. Do not touch eyes.

Response:

P317 Get medical help.

P319 Get medical help if you feel unwell.

P321 Specific treatment (see related instructions on the label).

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P333+P317 If skin irritation or rash occurs: Get medical help.

P362+P364 Take off contaminated clothing and wash it before reuse.

P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.5 Hazard description

Physical and chemical hazards: No information available

Health hazards:

Inhaled: Cough. Sore throat.

Ingestion: Burning sensation. Abdominal pain.

Skin Contact: Dry skin. Redness.

Eye: Redness. Pain. Severe deep burns.

Environmental Hazards: Please refer to 12th chapter of SDS.

Section 3 – Composition/Information on Ingredient

2.1 Classification of the substance or mixture

Substance () Preparation (☒) Article ()

Composition:

Chemical name	CAS No	Content (%)
Acrylic Emulsion	25085-34-1	40
Water	7732-18-5	60

Note: CAS No. is Chemical Abstract Service Registry Number.

Section 4 - First Aid Measures

4.1 Description of first aid measures:

General advice:	Immediate medical attention is required. Show this data sheet (SDS) to the doctor in attendance.
Eye Contact:	Consult a doctor/medical service. Rinse immediately with plenty of water for 15 minutes. Remove contact lenses if present and easy to do-continue rinsing. Do not apply neutralizing agents.
Skin Contact:	Consult a doctor/medical service. Wash immediately with lots of water and soap for 15 minutes. Remove clothing while washing.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a doctor/medical service if breathing problems develop.
Ingestion:	Do not induce vomiting. If the person is conscious, wash out mouth with water. Immediately give lots of water to drink (at least 500ml) Never give anything by mouth to an unconscious person. Consult a physician attention and get medical immediately.

4.2 Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

Section 5 - Fire-fighting Measures

5.1 Extinguishing Methods and Agents:

Use extinguishing materials suitable for the surrounding fire.

5.2 Special Hazards in Fire-fighting:

- 1、 This substance may splatter when the temperature exceeds 100°C / 212°F.
- 2、 The product can burn after drying.

5.3 Special Protective Equipment for Firefighters:

- 1、 As in any fire, wear self-contained breathing apparatus(MSHA/NIOSH approved or equivalent) and full protective gear.
- 2、 Fight fire from a safe distance, with adequate cover.
- 3、 Prevent fire extinguishing water from contaminating surface water or the ground water system.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Evacuate area. Ventilate area. Use personal protective equipment: Chemical protection suit including self-contained breathing apparatus. Avoid contact with skin and eyes. Do not breathe vapors or gas.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up:

Isolation leakage contaminated areas, restrict access. Do not touch the broken containers and spills before wearing suitable protective equipment. Cut off the source of leakage if safe. Small leak: use inertia, non-combustible material to absorb spill with a clean tools and put in suitable container. Large Leak: embank and contain spillage. To prevent leakage into the water, sewers, basements or confined spaces. Clear under the guidance of experts. Flush contaminated areas with large amounts of water and direct rinsings to chemical sewer or collect for treatment.

Section 7 - Handling and Storage

7.1 Precautions for safe handling:

Use in well-ventilated area.

Avoid splashing of material. Safety showers should be readily available in handling and storage areas. Eye wash fountains should be located in the work areas and should be immediately accessible for emergency use.

Use appropriate, approved safety equipment.

Avoid contact with skin and eyes. Avoid breathing vapor or mist. Keep container tightly closed when not in use.

Do not eat, drink or smoke at the workplace.

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Containers may have hazardous residue after empty.

7.2 Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from incompatible materials and foodstuff. Storage areas should be equipped with suitable tools and containers to contain spillage.

Section 8 - Exposure Controls, Personal Protection

8.1 Control Parameters

Occupational Exposure limit values

Component	Country/Region	Limit value-Eight hours		Limit value-Short term	
		ppm	mg/m ³	ppm	mg/m ³
All components	USA-OSHA	Unspecified	Unspecified	Unspecified	Unspecified
	South Korea				
	Ireland				
	Germany (AGS)				
	Denmark				
	Australia				

Biological limit values:

No information available

Monitoring methods:

EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
BZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air.

8.2 Engineering controls

Ensure adequate ventilation, especially in confined areas.

Ensure that eyewash stations and safety showers are close to the workstation location.

Use explosion-proof electrical/ventilating/lighting/equipment.

Set up emergency exit and necessary risk-elimination area.

8.3 Personal protection equipment

General requirement:

**Eyes Protection:**

Tightly safety goggles (approved by EN 166(EU) or NIOSH (US), 374 (EU), US F739 or AS/NZS 2161.1 standard.

Body Protection:

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hands Protection:

Handle with chemical-resistant gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Other Protections:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 – Physical and Chemical Properties

Appearance:	White liquid
Odor:	Weak odor
pH:	No data available
Freezing point:	0 °C
Melting point:	No data available
Boiling point:	~100 °C
Sublimation point:	No data available
Flash point:	>200°C
Flammability:	not flammable (derived from flash point)
Explosion limits [% (by volume)]:	No data available

Vapour pressure:(蒸汽压)	No data available
Density:	1.0 – 1.05 g/cm ³ (20°C)
Relative density:	1.0 – 1.05
Vapour density:	No data available
Self-ignition temperature:	Based on its structural properties the product is not classified as self-igniting.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	No data available
Viscosity, kinematic:	No data available
Solubility in water:	Reacts with water
Odor threshold (mg/m³):	No data available
Solubility:	No data available
Solubility (quantitative):	No data available
Solubility (qualitative):	No data available
Molar mass:	No data available
Evaporation rate:	No data available
n-Octanol/water partition coefficient (log P):	No data available
Other Information:	The product is a general chemical, not a hazardous chemical, non-flammable, non-explosive, and non-toxic.

Section 10 - Stability and Reactivity

- 10.1 Stability :** Stable under recommended storage conditions.
- 10.2 Conditions to Avoid:** Overheat.
- 10.3 Incompatible materials:** Strong oxidizing agents.
- 10.4 Hazardous Decomposition Products:** Other decomposition products- no data available. In the event of fire.
- 10.5 Possibility of hazardous reactions:** No known hazardous reaction under normal condition.

Section 11 - Toxicological Information

No relevant toxicological data is available for this material. The data shown below is based on materials with similar ingredients.

- Acute Oral Toxicity:** Lethal Dose 50 (LD50) > 5,000 mg/kg (Rat)
- Acute Dermal Toxicity:** website: <http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>
- Skin Irritation:** May cause short-term irritation (Rabbit)
- Eye Irritation:** Not irritating to eyes (Rabbit)
- Acute Respiratory Toxicity:** Lethal Concentration 50 (LC50) > 21 mg/l (Rat)

Section 12 - Ecological Information

12.1 Acute aquatic toxicity

Component	Fish	Crustaceans	Algae
All components	Not available	Not available	Not available

Section 12 - Ecological Information**12.2 Chronic aquatic toxicity**

Component	Fish	Crustaceans	Algae
All components	Not available	Not available	Not available

12.3 Others

Component	Persistence and degradability	Bioaccumulation or bioaccumulation	Soli mobility
All components	Not available	Not available	Not available

Section 13 - Disposal Considerations**Waste treatment methods****Product**

Recycle if possible. Offer surplus and non-recyclable products to a licensed disposal company. Observe according to the national and local related regulations.

Contaminated packaging

Containers may still present chemical hazard when empty. Return to supplier for recycling if possible.

Section 14 - Transport Information

Suggestion according to IATA DGR (65th Edition), the substance is not subject to IATA DGR.

Suggestion according to IMO IMDG Code (2022 Edition), the substance is not subject to IMO IMDG Code.

United Nations Dangerous Goods Number(UN No.):

The product is not dangerous.

UN proper shipping name:	None
UN Risk Classification:	None
Packing Category:	None
Packing label:	None
Marine Pollutants (Yes/No):	NO
Packing method:	Pack according to the manufacture's recommendations.
Transportation Note:	No data available.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture International Chemical Substances list:

Component	EINECS	TSCA	DSL	IECSC	NZLoC	PICCS	KECL	AICS
Acrylic Emulsion	Not Listed	Listed	Listed	Listed	Listed	NOT Listed	Listed	Listed
Water	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed

Note:

EINECS:	European Inventory of Existing Commercial Chemical Substances
TSCA:	TSCA Chemical Substance Inventory
DSL:	Canada Domestic Substance List
IECSC:	Inventory of Existing Chemical Substances in China
NZIoC:	New Zealand Inventory of Chemicals
PICCS:	Philippines Inventory of Chemicals and Chemical Substances
KECI:	Korea Existing Chemicals Inventory
AICS:	Australian Inventory of Chemical Substances

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

Section 16 - Additional Information

16.1 Reference

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| [1] | IPCS: The International Chemical Safety Cards (ICSC) | website: http://www.ilo.org/dyn/icsc/showcard.home |
| [2] | EU REACH Registered Substance Database | website: http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances |
| [3] | OECD: The Global Portal to Information on Chemical Substances, | website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en |
| [4] | CAMEO Chemicals, | website: http://cameochemicals.noaa.gov/search/simple |
| [5] | NLM ChemIDplus, | website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp |
| [6] | EPA: Integrated Risk Information System, | website: http://cfpub.epa.gov/iris/ |
| [7] | U.S. Department of Transportation: ERG, | website: http://www.phmsa.dot.gov/hazmat/library/erg |
| [8] | Germany GESTIS-database on hazard substance | website: http://gestis-en.itrust.de |
| [9] | IARC | website: http://www.iarc.fr/ |

16.2 Abbreviations and acronyms

PC-STEL:	Short term exposure limit
PC-TWA:	Time Weighted Average
IARC:	International Agency for Research on Cancer
LC50:	Lethal Concentration 50%
LD50:	Lehal Dose 50%
EC50:	Effective Concentration 50%
PBT:	Persistent, Bioaccumulative, Toxic
vPvB:	very Persistent, very Bioaccumulative
IATA:	International Air Transport Association

IMO	International Maritime Organization
IMDG	The International Maritime Dangerous Goods
ICAO	International Civil Aviation Organization
UN	The United Nations
NTP	National Toxicology Program
ACGIH	The American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety and Health Administration
NIOSH	National Institute for Occupational Safety and Health

16.3 Disclaimer

- This safety data sheet was prepared in accordance with UN GHS Rev.10.
- The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

End of MSDS