

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

 Product name : 4-Methoxystyrene (stabilized with TBC)  
 CAS No. : 637-69-4

**Manufacturer or supplier's details**

 Company : Heynova (Shanghai) New Material Technology CO., Ltd  
 Address : Building 3, No. 690 Bibo Road, Pudong New Area, Shanghai, China  
 Telephone : +86-178-2110-2608  
 E-mail address : info@heynovachem.com

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| <b>Appearance</b>                                                          | : liquid             |
| <b>Color</b>                                                               | : colorless - yellow |
| Combustible liquid. Causes skin irritation. Causes serious eye irritation. |                      |

**GHS Classification**

 Flammable liquids : Category 4  
 Skin corrosion/irritation : Category 2  
 Serious eye damage/eye irritation : Category 2A

**GHS label elements**

Hazard pictograms :



Signal Word : Warning

 Hazard Statements : H227 Combustible liquid.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.

 Precautionary Statements : **Prevention:**  
 P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
 P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/ eye protection/ face protection.  
**Response:**  
 P302 + P352 IF ON SKIN: Wash with plenty of water.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
 P337 + P313 If eye irritation persists: Get medical advice/ attention.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-

resistant foam to extinguish.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Physical and chemical hazards**

Combustible liquid.

**Health hazards**

Causes skin irritation. Causes serious eye irritation.

**Environmental hazards**

Not classified based on available information.

**Other hazards which do not result in classification**

None known.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Substance

**Components**

| Chemical name            | CAS RN   | Concentration (% w/w) |
|--------------------------|----------|-----------------------|
| 4-Methoxystyrene         | 637-69-4 | 98                    |
| 4-tert-Butylpyrocatechol | 98-29-3  | 200 PPM               |

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**4. FIRST AID MEASURES**

|                                                             |                                                                                                                                                  |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| If inhaled                                                  | : Remove person to fresh air and keep comfortable for breathing.<br>Get medical advice/ attention if you feel unwell.                            |
| In case of skin contact                                     | : Take off all contaminated clothing immediately.<br>Wash off with plenty of water.<br>If skin irritation occurs: Get medical advice/ attention. |
| In case of eye contact                                      | : Rinse with plenty of water.<br>If easy to do, remove contact lens, if worn.<br>If eye irritation persists: Get medical advice/ attention.      |
| If swallowed                                                | : Get medical advice/ attention.<br>Rinse mouth.                                                                                                 |
| Most important symptoms and effects, both acute and delayed | : None known.                                                                                                                                    |

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**5. FIRE-FIGHTING MEASURES**

|                                                |                                                                                                                                                                                                                                                                                              |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                   | : Dry powder, Foam, Water spray, Carbon dioxide (CO2)                                                                                                                                                                                                                                        |
| Specific hazards during fire fighting          | : No information available.                                                                                                                                                                                                                                                                  |
| Specific extinguishing methods                 | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Immediately evacuate personnel to safe areas.<br>Cool closed containers exposed to fire with water spray.<br>Remove undamaged containers from fire area if it is safe to do so. |
| Special protective equipment for fire-fighters | : Use personal protective equipment.                                                                                                                                                                                                                                                         |

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**6. ACCIDENTAL RELEASE MEASURES**

|                                                                     |                                                                                                                                                                                                                              |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | : Wear suitable protective equipment.<br>Keep people away from and upwind of spill/leak.<br>Ensure adequate ventilation.<br>Entry to non-involved personnel should be controlled around the leakage area by roping off, etc. |
| Environmental precautions                                           | : Prevent product from entering drains.                                                                                                                                                                                      |
| Methods and materials for containment and cleaning up               | : Collect as much of the spill as possible with a suitable absorbent material.                                                                                                                                               |

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**7. HANDLING AND STORAGE**
**Handling**

|                         |                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technical measures      | : Prevent generation of vapor or mist.<br>Take precautionary measures against static discharge.<br>Use explosion-proof equipment.                                                                                                                                                          |
| Local/Total ventilation | : Ensure adequate ventilation.<br>Use a local exhaust ventilation.                                                                                                                                                                                                                         |
| Advice on safe handling | : Avoid contact with skin, eyes and clothing.<br>Wear personal protective equipment.<br>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>Do not subject to grinding, shock or friction.<br>Wash hands and face thoroughly after handling. |
| Avoidance of contact    | : Oxidizing agents                                                                                                                                                                                                                                                                         |

**Storage**

|                             |                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Conditions for safe storage | : Keep container tightly closed.<br>Store in a refrigerator.<br>Keep in a well-ventilated place.<br>Avoid exposure to light. |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------|

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

|                             |                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------|
| <b>Engineering measures</b> | : Install a closed system or local exhaust.<br>Also install safety shower and eye bath. |
|-----------------------------|-----------------------------------------------------------------------------------------|

**Personal protective equipment**

|                          |                                 |
|--------------------------|---------------------------------|
| Respiratory protection   | : Gas mask                      |
| Eye/face protection      | : Safety glasses<br>Face-shield |
| Skin and body protection | : Protective suit               |
| Hand protection          | : Protective gloves             |

\*Use personal protective equipment(PPE) approved under appropriate government standards and follow local and national regulations.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                  |   |                                       |
|--------------------------------------------------|---|---------------------------------------|
| Appearance                                       | : | liquid                                |
| Color                                            | : | colorless - yellow                    |
| Odor                                             | : | No data available                     |
| Odor Threshold                                   | : | No data available                     |
| pH                                               | : | No data available                     |
| Melting point/freezing point                     | : | No data available                     |
| Boiling point/boiling range                      | : | 98 °C (24 hPa)                        |
| Flash point                                      | : | 76 °C                                 |
| Evaporation rate                                 | : | No data available                     |
| Flammability                                     | : | No data available                     |
| Upper explosion limit / Upper flammability limit | : | No data available                     |
| Lower explosion limit / Lower flammability limit | : | No data available                     |
| Vapor pressure                                   | : | No data available                     |
| Relative density                                 | : | 1.00                                  |
| Solubility(ies)                                  |   |                                       |
| Water solubility                                 | : | No data available                     |
| Solubility in other solvents                     | : | slightly soluble<br>Solvent: Methanol |
| Partition coefficient: n-octanol/water           | : | No data available                     |
| Autoignition temperature                         | : | No data available                     |
| Decomposition temperature                        | : | No data available                     |
| Viscosity                                        |   |                                       |
| Viscosity, dynamic                               | : | No data available                     |
| Viscosity, kinematic                             | : | No data available                     |
| Molecular weight                                 | : | 134.18 g/mol                          |

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## 10. STABILITY AND REACTIVITY

|                                    |   |                                                                                                                                  |
|------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | : | No data available                                                                                                                |
| Chemical stability                 | : | Polymerization may occur under the influences of heat, light or on contact with polymerization initiators such as peroxides etc. |
| Possibility of hazardous reactions | : | None under normal processing.                                                                                                    |
| Conditions to avoid                | : | Heat.<br>Electrical spark                                                                                                        |

|                                  |                                                      |
|----------------------------------|------------------------------------------------------|
|                                  | Open flame<br>Exposure to light.                     |
| Incompatible materials           | : Oxidizing agents                                   |
| Hazardous decomposition products | : Carbon monoxide, Carbon dioxide (CO <sub>2</sub> ) |

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## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** : No information available.

### **Skin corrosion/irritation**

**Product:**

Result : Skin irritation

**Components:**

**4-Methoxystyrene:**

Result : Skin irritation

### **Serious eye damage/eye irritation**

**Product:**

Result : Eye irritation

**Components:**

**4-Methoxystyrene:**

Result : Eye irritation

**Respiratory or skin sensitization** : No information available.

**Germ cell mutagenicity** : No information available.

**Carcinogenicity** : No information available.

**Reproductive toxicity** : No information available.

**STOT-single exposure** : No information available.

**STOT-repeated exposure** : No information available.

**Repeated dose toxicity** : No information available.

**Aspiration toxicity** : No information available.

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## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

No data available

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

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**13. DISPOSAL CONSIDERATIONS****Disposal methods**

- |                        |   |                                                                                                                                                                        |
|------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste from residues    | : | Disposal in accordance with local and national regulations.<br>Take precautions against ignition or explode.<br>Entrust disposal to a licensed waste disposal company. |
| Contaminated packaging | : | Disposal in accordance with local and national regulations.<br>Before disposal of used container, remove contents completely.                                          |

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**14. TRANSPORT INFORMATION****International Regulations****IATA-DGR**

- |                      |   |                |
|----------------------|---|----------------|
| UN/ID No.            | : | Not applicable |
| Proper shipping name | : | Not applicable |
| Class                | : | Not applicable |
| Subsidiary risk      | : | Not applicable |
| Packing group        | : | Not applicable |

**IMDG-Code**

- |                      |   |                |
|----------------------|---|----------------|
| UN number            | : | Not applicable |
| Proper shipping name | : | Not applicable |
| Class                | : | Not applicable |
| Subsidiary risk      | : | Not applicable |
| Packing group        | : | Not applicable |
| EmS Code             | : | Not applicable |

**Domestic regulation****GB 6944/12268**

- |                      |   |                |
|----------------------|---|----------------|
| UN number            | : | Not applicable |
| Proper shipping name | : | Not applicable |
| Class                | : | Not applicable |
| Subsidiary risk      | : | Not applicable |
| Packing group        | : | Not applicable |

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**15. REGULATORY INFORMATION****The ingredients of this product are reported in the following inventories:**

- |           |   |                                                                                                                   |
|-----------|---|-------------------------------------------------------------------------------------------------------------------|
| CH BAGREG | : | On the inventory, or in compliance with the inventory                                                             |
| TSCA      | : | Substance(s) not listed on TSCA inventory                                                                         |
| AICS      | : | Not in compliance with the inventory                                                                              |
| DSL       | : | This product contains the following components that are not on the Canadian DSL nor NDSL.<br><br>4-Methoxystyrene |
| ENCS      | : | Not in compliance with the inventory                                                                              |

|       |                                                         |
|-------|---------------------------------------------------------|
| ISHL  | : On the inventory, or in compliance with the inventory |
| KECI  | : Not in compliance with the inventory                  |
| PICCS | : On the inventory, or in compliance with the inventory |
| IECSC | : On the inventory, or in compliance with the inventory |
| NZIoC | : Not in compliance with the inventory                  |

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## 16. OTHER INFORMATION

|               |              |
|---------------|--------------|
| Revision Date | : 2024/12/28 |
| Date format   | : yyyy/mm/dd |

### Disclaimer

This SDS was prepared sincerely based on the information obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling operations, sufficient care should be taken, in addition to the safety measures suitable for the given situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.