

**Qingdao Hongsheng New Material Co.,LTD**

ADD: 1st Floor, East Office Building 45 Beijing Road,Qianwan Free Trade Port  
Zone,Qingdao,China(Shangdong )Pilot Free Trade Zone 2022-1098 (A)

**MSDS for Hongsheng C9 series**

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier**

Trade name : Hongsheng C9 Series  
Product form : Substance  
Product Identifier(s) : Names of individual grades  
base polymer:Hongsheng HH100/HH120  
CAS number : 64742-16-1

**1.2 Relevant identified uses and uses advised against**

Relevant identified uses :Hot Melt Adhesives,Solvent Basis Adhesive , Coatings, Plastic  
Modification ,Rubber  
Uses advised against : This product must not be used in applications other than those identified above, without first seeking advice of the supplier

**1.3 Details of the supplier of the safety data sheet**

Supplier :Qingdao Hongsheng New Material Co.,LTD  
ADD: 1st Floor, East Office Building 45 Beijing Road,Qianwan Free Trade Port  
Zone,Qingdao,China

**1.4 Emergency telephone number** : +86-18562651969

**1.5 Only Representative** : REACH24H Consulting Group (REACH24H, Paramount Court, Corrig Road, Sandyford, Dublin 18, Ireland)

**SECTION 2. HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

GHS-US classification  
Combustible Dust

**2.2 Label elements**

GHS-US labelling  
Signal word (GHS-US): Warning  
Hazard statements (GHS-US): If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air  
Precautionary statements (GHS-US): Precautionary statement not required.

**2.3 Hazards not otherwise classified** : Other hazards not contributing to the classification: Product can accumulate electrostatic charges that may cause fire by electrical discharges.

**2.4. Unknown acute toxicity (GHS US)**

Not applicable

**2.5. Additional information**

Based on conditions common to industrial workplace use of this product: Contact with skin or eyes with hot material may cause serious thermal burns to skin or eyes. Vapours formed when material is processed at high temperatures may be irritating to the eyes and upper respiratory tract.

Based on professional judgment, inconclusive testing, or sensitive individuals: Dust or particulates may cause mild respiratory tract and eye irritation. Repeated or prolonged contact may cause slight irritation to the skin.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substance:**

Below

This material is defined as a substance (polymer). and reacted monomer is as



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Chemical name	CAS number	Registration number	%	Hazard statements (CLP 1272/2008)
Distillates (petroleum), steam-cracked, C8-12 fraction	68477-54-3	01-2119492289-23-xxxx	100	Not hazardous

**SECTION 4. FIRST AID MEASURES****4.1 Description of first aid measures**

- Inhalation : In case of adverse exposure to vapours and / or aerosols formed at elevated temperatures, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest.
- Contact with skin : Wash contact areas with soap and water. For hot product: Immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention
- Contact with eyes : Flush thoroughly with water. If irritation occurs, get medical assistance.
- Ingestion : No adverse effects due to ingestion are expected.

**4.2 Most important symptoms and effects, both acute and delayed**

- Inhalation : At ambient/normal handling temperatures, no adverse effects due to inhalation of dust are expected.
- Contact with skin : No adverse effects and symptoms are expected.
- Contact with eyes : No adverse effects and symptoms are expected.
- Ingestion : No adverse effects and symptoms are expected.

**4.3 Indication of any immediate medical attention and special treatment needed**

The need to have special means for providing specific and immediate medical treatment available in the workplace is not expected.

**SECTION 5. FIREFIGHTING MEASURES****5.1 Extinguishing media**

- Suitable extinguishing media : Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
- Unsuitable extinguishing media : Straight streams of water

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

- : Flammable hydrocarbons, Incomplete combustion products, Oxides of carbon, Smoke, Fume

**5.3 Advice for firefighters****Fire Fighting Instructions**

- : Assure an extended cooling down period to prevent re-ignition. Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire-exposed surfaces and to protect personnel.

**Unusual Fire Hazards**

- : Explosion: Avoid generating dust; fine dust dispersed in air in sufficient concentration and in the presence of an ignition source is a potential dust explosion hazard.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment & emergency procedures:**

**NOTIFICATION PROCEDURES** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

**PROTECTIVE MEASURES** Avoid contact with spilled material. Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (for example



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clearing dust surfaces with compressed air). Prevent dust exposure to ignition sources. For example, use non-sparking tools and prohibit smoking, flares, sparks or flames in immediate area.

### 6.2 Environmental precautions areas.

: Prevent entry into waterways, sewers, basements or confined

### 6.3 Methods and material for containment and cleaning up

: Sweep up or vacuum up the product. Dispose of materials or solid residues at an authorized site.

### 6.4 Reference to other sections

: See Section 5 for fire fighting information. See Section 3 for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

: Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with heated product to prevent burns. Prevent the build-up of electrostatic charge. Use only non-sparking tools. Handling this product may result in electrostatic accumulation. Use proper grounding procedures.

The plastic packaging film used to secure bags of material on pallets can also develop static electricity remove packaging film in an area free from ignitable vapours/dust. This material may be shipped as a viscous, molten product at elevated temperatures (approximately 204 ° C), but below its flashpoint, to facilitate transfer to storage containers or processing vessels. If frozen, thaw and mix thoroughly before use.

### Loading/Unloading Temperature

: Ambient

### Transport Temperature

: Ambient

### Hygiene measures

: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2 Conditions for safe storage, including any incompatibilities

: The container choice, for example storage vessel, may effect static accumulation and dissipation. Store in a cool, dry place. For resins having a softening point below 80°C, prolonged storage above 25°C will cause remassing. For resins having a softening point between 80 and 90°C, prolonged storage above 30°C will cause remassing.

### 7.3 Specific end use(s)

: Not applicable.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Occupational Exposure Limits

The following constituents are the only constituents of the product, which have a PEL, TLV, or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Hongsheng C9 series		
USA ACGIH	ACGIH TWA(mg/m <sup>3</sup> )	10mg/m <sup>3</sup> (inhalable dust)



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		3mg/m <sup>3</sup> (respirable dust)
USA ACGIH	Remark (ACGIH)	Particulates, not otherwise classified
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15mg/m <sup>3</sup> (total dust) 5mg/m <sup>3</sup> (respirable dust)
USA OSHA	Remark (OSHA)	Particulates, not otherwise classified

**8.2 Exposure controls**

Engineering controls

: Provide readily accessible eye wash stations and safety showers.  
Ensure good ventilation of the workstation.

Eye / face protection

: Safety glasses

a) Skin / hand protection

: Protective gloves made of rubber or PVC. Wear fire/ flame  
resistant/retardant clothing. Wear suitable protective clothing.

b) Respiratory protection

: In case of inadequate ventilation wear respiratory protection.

c) Other

: Not applicable.

Environmental exposure controls

: Protect the environment by applying appropriate control measures to  
prevent or limit emissions.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance

: Granular

Odour

: None to Mild

Odour threshold

: No data available

pH

: Not technically feasible

Softening point

: 100°C - 120°C [test method unavailable]

Initial boiling point and boiling range

: Not technically feasible

Flash point

: Not technically feasible

Evaporation rate

: Not technically feasible

Flammability (solid, gas)

: Not technically feasible

Upper / lower flammability or

Explosive limits

: No data available

Vapour pressure

: Not technically feasible

Vapour density

: Not technically feasible

Relative density

: 1.09-1.13g/cm<sup>3</sup>

Solubility(ies)

: Negligible (in water)

Partition coefficient: n-octanol/water

: Not technically feasible

Auto-ignition temperature

: No data available

Decomposition temperature

: No data available

Viscosity

: Not technically feasible

Explosive properties

: None

Oxidising properties

: None

**9.2 Other information**

:No

**SECTION 10. STABILITY AND REACTIVITY****10.1 Reactivity**

: See sub-sections below.



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- 10.2 Chemical stability** : Material is stable under normal conditions.
- 10.3 Possibility of hazardous reactions** : Hazardous polymerization will not occur.
- 10.4 Conditions to avoid** : Avoid elevated temperatures for prolonged periods of time.
- 10.5 Incompatible materials** : Strong oxidizers
- 10.6 Hazardous decomposition products:** Material does not decompose at ambient temperatures.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

- Acute toxicity : Not classified, No end point data for material.
- Corrosion/irritation : Not classified, No end point data for material.
- Sensitisation : Based on available data, the classification criteria are not met
- Repeated dose toxicity : Not classified, No end point data for material.
- Aspiration hazard : Not classified, No data available.
- Mutagenicity : Not classified, No data available.
- Carcinogenicity : Not classified, No data available.
- Reproductive toxicity : Not classified, No data available.

- 11.2 Other information** : Likely routes of exposure: ingestion, inhalation, skin and eye.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

- Acute toxicity : Not expected to be harmful to aquatic organisms.
- Chronic toxicity : Not expected to demonstrate chronic toxicity to aquatic organisms.

- 12.2 Persistence and degradability** : No information available.

- 12.3 Bioaccumulative potential** : No information available.

- 12.4 Mobility in soil** : No information available

- 12.5 Results of PBT & vPvB assessment:** No information available

- 12.6 Other adverse effects** : No adverse effects are expected.

## SECTION 13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods** : Suitable routes of disposal are supervised incineration, preferentially with energy recovery, or appropriate recycling methods in accordance with applicable regulations and material characteristics at the time of disposal.

- 13.2 Other information** : Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

## SECTION 14. TRANSPORT INFORMATION

### 14.1 US Transport (DOT) for Bulk Shipments (Non-Bulk Shipments May Differ)

Not regulated by US DOT

If shipped as a liquid material at a temperature above 100 °C, this product should be classified for US DOT as:  
UN 3257, Elevated temperature liquid, n.o.s. (petroleum hydrocarbon resin), 9, PG III



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**14.3 Transport by sea (IMDG)**

Not regulated by IMDG

**14.4 Transport by air (IATA)**

Not regulated by IATA

**SECTION 15. REGULATORY INFORMATION**

**15.1 US Federal regulations**

**EPA TSCA Status**

All components of this product are listed or excluded from listing on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

**SARA Section 313 Supplier Notification**

This product contains no toxic chemicals in excess of the applicable of minimised concentration that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

SARA Section 311/312 Hazard Classes

Fire hazard

Export Control Classification Number (ECCN):

EAR99 (No License Required)

**15.2 International regulations**

**CANADA**

No additional information available

**National inventories**

Distillates (petroleum), steam-cracked, polymerized (CAS: 64742-16-1)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on the China Inventory of Existing Chemical Substances (IECSC)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS)

**15.3 US State regulations**

California Proposition 65 - To the best of our knowledge, there are no Proposition 65 chemicals present in this product at levels that would require warning under the California Safe Drinking Water and Toxic Enforcement Act.

**SECTION 16. OTHER INFORMATION**

**16.1 Revision comments**

A line in the margin combined with text rendered in red indicates a relevant amendment from the previous version.

**16.2 References and sources for data:** Various sources of literature and internal (test) data available are used

**16.3 NFPA (National Fire Protection Association)**



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NFPA health hazard: 1

NFPA fire hazard: 1

NFPA reactivity: 0

**16.4 HMIS III Rating**

Health: 1

Flammability: 1

Physical Hazard: 0

Personal Protection: See section 8 of SDS

**16.5 Other information and disclaimer**

The content and format of this safety data sheet is in accordance with 29 CFR §1910.1200 (f). This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements for professional users in the manufacturing, distribution and industrial use of the product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters.

It should not be construed as guaranteeing any specific property of the product. Whilst proper care has been taken in the preparation of this document, no liability for injury or damage in any form resulting from its use can be accepted.