**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 hydrogenated DCPD series

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

**1.1 Product identifier**

Trade name : Hongsheng Hydrogenated DCPD Series
Product form : Substance
Product Identifier(s) : .Names of individual grades
Unique Formula Identifier : Not Applicable
Substances in nanoforms :Non nanoforms

Basic polymer:Hongsheng HW90/HW100/HW120/HW130/HW140
CAS number : 69430-35-9

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

Relevant identified uses :Hot Melt Adhesives,Hygiene Adhesive, Pressure Sensitive Adhesive Wax Modification
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

## SECTION 2. HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture**

EC Index number：Not available

CLP Regulation (EC 1272/2008)：Not classified.

**2.2 Label elements**

HCLP Regulation (EC 1272/2008)
Pictogram(s) : Not hazardous

**2.3 Other Hazardous :**

The substance(s) is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**2.4. 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:** This material is defined as a substance (polymer).

Chemical name : Hydrogenated Hydrocarbon resin

CAS No : 69430-35-9
Generic name : Petroleum Resin / Hydrocarbon Resin

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:** This material is defined as a substance (polymer).

| Chemical name | CAS number | Registration number | % | Hazard statements (CLP 1272/2008) |
|---|---|---|---|---|
| Hydrogenated DCPD resin | 69430-35-9 | As polymer exempted for registration (*) | 100 | Not hazardous |

(*) The registration number(s) for the monomeric substances registered by REACH24H Consulting Group (REACH24H, Paramount Court, Corrig Road, Sandyford, Dublin 18, Ireland)：01-2119492289-23-00XX

## 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, 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** : Prevent entry into waterways, sewers, basements or confined areas.

**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 firefighting 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 vapors/dust. This material may be shipped as a viscous, molten product at elevated temperatures (approximately 204 º 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 block

**7.3 Specific end use(s)** : Not applicable.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters**

Occupational exposure limit values : There is no specific OEL known for this substance. For dusty conditions, ACGIH recommends for insoluble and poorly soluble particles not otherwise specified an 8-hour TWA of 10 mg/m3 (inhalable particles), 3 mg/m3 (respirable particles).

Recommended monitoring methods : Not available.

Biological limit values : Not known for the substance.

DNEL / PNEC values : Not applicable.

**8.2 Exposure controls**

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

Individual protection measures, such as personal protective equipment

a) Eye / face protection : Safety glasses
b) Skin / hand protection : Protective gloves made of rubber or PVC. Wear fire/flame resistant/retardant clothing. Wear suitable protective clothing.
c) Respiratory protection : In case of inadequate ventilation wear respiratory protection.
d) 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 |
| Odour threshold | : No data available |
| pH | : Not technically feasible |
| Melting point | : 90°C - 145°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 | : 0.94-0.99g/cm$^3$ |
| 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** : **Hygroscopic:** No

## SECTION 10. STABILITY AND REACTIVITY

**10.1 Reactivity** : See sub-sections below.

**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.

**11.2.1 Endocrine disrupting properties**

Adverse health effects caused by endocrine disrupting properties: No data available

## 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 Endocrine Disrupting Properties** The substance(s) is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## 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.

European Waste Code: 08 04 10. NOTE: These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use. Waste producers need to assess the actual process used when generating the waste and its contaminants in order to assign the proper waste disposal code(s).

## SECTION 14. TRANSPORT INFORMATION

**14.1 Transport by road (ADR) and by rail (RID)**

Other information : Free for transport requirements under ADR & RID.

**14.2 Transport by inland waterways (ADN)**

Other information : Free for transport requirements under ADN.

**14.3 Transport by sea (IMDG)**

Other information : Free for transport requirements under IMDG. Not classified according to Annex II of MARPOL 73/78 and the IBC Code.

**14.4 Transport by air (ICAO / IATA)**

Other information : Free for transport requirements under ICAO / IAT

## SECTION 15. REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislation (EC)**

REACH (EC 1907/2006)

a) Candidate for authorisation (Art.59)**:** The substance is not listed.
b) Authorisation (Title VII) **:** The substance is not listed.
c) Restrictions (Title VIII) **:** The substance is not listed.

Other legislation (EC) **:** No relevant EC Legislation known to be listed.

National laws **:** No relevant National legislation known to be listed.

**15.2 Chemical safety assessment** **:** Not applicable for the substance.

**15.3 FDA Regulation**

21 CFR 175.105 Adhesive

21 CFR 175.125 Pressure sensitive Adhesive

21 CFR 177.2600 Rubber articles intended for repeated use

21 CFR 175.300 Resinous and polymeric coatings

21 CFR 176.170 Components of paper and paperboard in contact with aqueous and fatty foods

21 CFR 176.180 Components of paper and paperboard in contact with dry food

21 CFR 175.320 Resinous and Polymeric Coating for Polyolefin Films

21 CFR 177.1210 Closures with Sealing Gaskets for Food Containers

## 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 Abbreviations and acronyms used in the safety data sheet**

Hazard statements (Section 3) **:** None included.

Control parameters (Section 8) **:** ACGIH = Association Advancing Occupational and Environmental Health
TWA = Time Weighted Average

Toxicological information (Section 11)**:** None included

Ecological information (Section 12) **:** PBT = Persistent, Bio accumulative and Toxic
vPvB = very Persistent and very Bio accumulative

Transport information (Section 14) **:** ADN = European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR = European Agreement Concerning the International Carriage of Dangerous Goods by Road.
IATA = International Air Transport Association. ICAO = International Civil Aviation Organization. IMDG = International Marine Dangerous Goods.
MARPOL = International Convention for the Prevention of Pollution From Ships; MARPOL is short for Marine Pollution.

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

**16.4 Other information and disclaimer**

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The content and format of this safety data sheet is in accordance with Regulation 1907/2006/EC, amendment EC 2020/878.

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.