



**™ MATERIAL SAFETY DATA SHEET (MSDS)**  
**NINGBO JINHAI CHENGUANG CHEMICAL CORPORATION.**  
**Haitack™ JH 3201/JH 3204 Hydrocarbon resins**  
**CAS Number: 68478-07-9**

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

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**PRODUCT NAME:** Haitack™ JH 3201/JH 3204 Hydrocarbon resins  
**CHEMICAL FAMILY:** Petroleum hydrocarbon resin / C5 Hydrocarbon resin  
**CAS NUMBER:** 68478-07-9  
**RELEVANT USES:** Additive for hot melt pressure sensitive adhesives.

**MANUFACTURER/SUPPLIER NAME:**

NINGBO JINHAI CHENGUANG CHEMICAL CORPORATION.

**ADDRESS:** No. 3555, Yuejintang Road, Ningbo Petrochemical and Technological Development Zone, Zhejiang Province, China. 315202, P.R.China

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**Date prepared:** 1Jan2020

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**SECTION 2 HAZARDS IDENTIFICATION**

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**NFPA RATINGS (SCALE 0-4):** HEALTH = 0 FIRE = 1 REACTIVITY = 0

**CARCINOGENICITY:** Not listed as carcinogen by NTP, OSHA and IARC

**UN GHS:** This material is not dangerous

**CLASSIFICATION OF THE SUBSTANCE/MIXTURE**

**Classification(GHS-US):** Combustible Dust

**LABEL ELEMENTS** **GHS-US LABELIG**

**Signal word(GHS-US):** Caution

**Hazard statements(GHS-US):** Product may agglomerate ,Product is static accumulator ,product may have dust during process.

**Precautionary statements(GHS-US):** Isolate product from fire and /or heat generator . Equipment should have a method to release static charge and process needs ventilation system when use the product.

**OTHER HAZARDS WHICH DO NOT RESULT IN THE CLASSIFICATION**

No additional information available

**ADDITIONAL INFORMATION**

Dust from the product may cause respiratory irritation; Eye contact: flush eyes with large amounts of water until irritation subsides.

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**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

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**SUBSTANCES/MIXTURE GENERAL INFORMATION:**

Chemical name	Concentration	Additional identification	Notes
Hydrocarbon resin	>99.5%	proprietary	
Additives	<0.5%	not applicable	

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

PBT: Persistent, bioaccumulative and toxic substance.

vPvB: Very persistent and very bioaccumulative substance.



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## SECTION 4 FIRST AID MEASURES

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### DESCRIPTION OF FIRST AID MEASURES

- INHALATION:** Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.
- SKIN CONTACT:** Wash with soap and water. Get medical attention if symptoms occur. If burned by contact with hot materials, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn. Get medical attention.
- EYE CONTACT:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist. If molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.
- INGESTION:** Seek medical advice.

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## SECTION 5 FIRE FIGHTING MEASURES

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**FLASH POINT** >265°C

**FLAMMABILITY CLASS (OSHA)** IIIB

### **HAZARDOUS COMBUSTION PRODUCTS:**

Thermal decomposition products may include toxic oxides of carbon.

### **GENERAL FIRE HAZARDS:**

Material can accumulate static charges which may cause an electrical spark (ignition source).  
Use proper bonding and/or grounding procedures.

### **EXTINGUISHING MEDIA**

**SUITABLE:** Carbon dioxide, dry powder, foam, water spray, sand, etc.

**UNSUITABLE:** None known.

**SPECIAL HAZARDS:** Powdered material; may form explosive dust-air mixtures.

### **ADVICE FOR FIREFIGHTERS**

**SPECIAL FIRE FIGHTING PROCEDURES:** Minimize dust generation and accumulation.

**SPECIAL PROTECTIVE EQUIPMENT:** Self-contained breathing apparatus and full protective clothing must be worn

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

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### **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**

Wear appropriate personal equipment.

**ENVIRONMENTAL PRECAUTIONS:** Not regarded as dangerous for the environment.

### **METHODS AND MATERIALS FOR CONTAINMENT AND OF CLEANING UP:**

Sweep up and place in a clearly labeled container for chemical waste.

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

**DISPOSAL:** Use authorized discharge or burn in approved installation.



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## SECTION 7 HANDLING AND STORAGE

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**PRECAUTIONS FOR SAFE HANDLING:** Prevent the inhalation of the dust or vapor of products; wear protective equipment listed at section 8.

**STORAGE:** Keep at temperature not exceeding 30 °C.  
Keep container closed and away from the sun.

**END USE(S):** Adhesives, coatings

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## SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

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### CONTROL PARAMETERS

**OCCUPATIONAL EXPOSURE LIMITS:** 5 mg/OSHA (respirable dust)  
Provide explosion proof ventilation to meet exposure limits

### PERSONAL PROTECTIVE EQUIPMENT

**GENERAL INFORMATION:** Eye bath; washing facilities in work place.

**RESPIRATOR:** Atmospheric levels should be maintained below exposure limits; use a NIOSH-MSHA approved respirator based on contamination levels in the work place.

**EYE/FACE PROTECTION:** Wear splash-proof or dust resistance safety goggles.  
Wear a face shield when working with molten material.

**HAND PROTECTION:** Wear appropriate protective gloves.

**OTHER PROTECTIVE EQUIPMENT:** Wear rubberized apron to help protect body from spills or molten resin.

**WORK/HYGIENIC PRACTICES:** Employees before leaving work should wash hands. Keep product away from food, beverages and tobacco.

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## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

#### APPEARANCE

**PHYSICAL STATE:** Solid  
**FORM:** Granules/pellets  
**COLOR:** Light yellow/amber  
**ODOR:** Odorless  
**ODOR THRESHOLD:** Not determined.  
**pH:** No data available.

#### SOLUBILITY

**SOLUBILITY IN WATER:** Negligible  
**SOLUBILITY (OTHER):** No data available.  
**INORGANIC SOLVENT:** Soluble in organic solvent

**PARTITION COEFFICIENT (N-OCTANOL/WATER):** No data available.

**AUTOIGNITION TEMPERATURE:** No data available.

**DECOMPOSITION TEMPERATURE:** Thermal stability not tested. Low stability hazard expected at normal operating temperatures.

**FLASH POINT:** >265 °C.



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## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES (continued)

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SOFTENING POINT:	91-97 °C for JH-3201/96-104 °C for JH-3204
BOILING POINT:	Not determined.
EVAPORATION RATE:	Not determined.
FLAMMABILITY (SOLID, GAS):	No data available.
LIMIT – UPPER (%)--:	No data available.
LIMIT – LOWER (%)--:	No data available.
VAPOR PRESSURE:	No data available
VAPOR DENSITY (AIR=1):	No data available.
SPECIFIC GRAVITY:	0.96-1.00
VISCOSITY:	Not determined.
EXPLOSIVE PROPERTIES:	No data available.
OXIDIZING PROPERTIES:	No data available.

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## SECTION 10 STABILITY AND REACTIVITY

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STABILITY:	Stable under normal storage condition.
CONDITION TO AVOID:	Open flames, high temperatures.
MATERIAL TO AVOID:	Strong oxidizing agents
HAZARDOUS DECOMPOSITION OR BY PRODUCTS:	Carbon monoxide, carbon dioxide
HAZARDOUS POLYMERIZATION:	Will not occur

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## SECTION 11 TOXICOLOGICAL INFORMATION

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ACUTE TOXICITY	7g/kg oral-mammal LD50 (LD50 > 2000mg/kg)
SKIN & EYE CONTACT	Please see section 8.
CARCINOGENICITY	Not listed as carcinogen by NTP, OSHA, IARC and ACGIH

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## SECTION 12 ECOLOGICAL INFORMATION

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ENVIRONMENTAL IMPACT	None to our knowledge
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## SECTION 13 DISPOSAL CONSIDERATIONS OF THIS PRODUCT

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None to our knowledge

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## SECTION 14 TRANSPORT INFORMATION

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**Important Note:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.



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## **SECTION 15            REGULATION INFORMATION**

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**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.**

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical List:** NONE

**OSHA:** Nonhazardous

**TSCA (US Toxic Substances Control Act):** This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

**ECL (Korean Toxic Substances Control Act):** This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.

**Inventory of Existing Chemical Substances in China:** All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

**EINECS (EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES):** This product is listed on EINECS or otherwise complies with EINECS Requirements.

**MITI (JAPANESE HANDBOOK OF EXISTING AND NEW CHEMICAL SUBSTANCES):** All components of this product are listed on the MITI inventory.

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## **SECTION 16            OTHER INFORMATION**

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<b>Revision Information:</b>	<b>New SDS</b>
<b>Key literature references and sources for data:</b>	No data available
<b>Training information:</b>	No data available.
<b>Issue Date:</b>	1/1/2020
<b>SDS No:</b>	

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

**PREPARED BY: TECHNOLOGY CENTER OF NINGBO JINHAI CHENGUANG CHEMICAL CORPORATION.**