

Material Safety Data Sheet
According to Regulation GB/T 16483-2008
C9 HYDROGENATED HYDROCARBON RESIN

SDS Record Number: CSSS-TCO-010-200139

Printing date: 20/01/2021

Version 1.1

Revision date: 20/01/2021

1 Identification of the substance and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: C9 HYDROGENATED HYDROCARBON RESIN
Product code: HA-100
Identification of the product: CAS#68132-00-3; EC#614-305-7

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Mainly used for binder in rubber industry. Also can be used for coatings, printing ink, etc.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Manufacturer): HENGHE MATERIALS & SCIENCE TECHNOLOGY CO., LTD.
Address: 3511, YUEJIN TANG ROAD, NINGBO CHEMICAL ZONE, CHINA
Contact person(E-mail): LEON@HH-SH.COM
Telephone: 86-574-86680009
Fax: 86-574-86680088

1.4 Emergency telephone Number:

86-13216628291

Available outside office hours?

YES

NO

X

2 Hazards Identification

2.1 Classification of the substance

2.1.1 Classification:

The substance is classified as following according to GB 13690-2009 (GHS) and 67/548/EEC:

| GB 13690-2009 (GHS) | |
|----------------------------------|------------------|
| Hazard classes/Hazard categories | Hazard statement |
| N/A | N/A |

For full text of H- phrases: see section 2.2.

| 67/548/EEC | |
|-------------------------|-----------|
| Hazards characteristics | R-Phrases |
| N/A | N/A |

For full text of R- phrases: see section 16.

2.1.2 The most important adverse effects

2.1.2.1 The most important adverse physicochemical effects:

Not applicable.

2.1.2.2 The most important adverse human health effects:

Not applicable.

2.1.2.3 The most important adverse environmental effects:

Not applicable.

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2.2 label elements

Hazard Pictograms: No hazard pictogram is used.

Signal Word(S): No signal word is used.

Hazard Statement: Not applicable.

Precautionary Statement Not applicable.

3 Composition/information on ingredients

Substance/Mixture: Substance

Ingredient(s):

| Chemical Name | CAS No. | Concentration | Notes | Chemical Name |
|--------------------------------|-------------|---------------|-------|--------------------------------|
| HYDROGENATED HYDROCARBON RESIN | 68132-00-3 | >99% | | HYDROGENATED HYDROCARBON RESIN |
| STABILIZER | Proprietary | <1% | | STABILIZER |

4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Remove to fresh air. Get medical attention if symptoms persist.

4.1.2 In case of skin contact:

Wash affected area with a waterless hand cleaner, and/or soap and water. If irritation persists, consult a physician. Get medical attention if skin disorder develops.

4.1.3 In case of eyes contact:

Flush eyes with large amounts of water for 15 minutes. Get medical attention if eye irritation develops or persists.

4.1.4 In case of ingestion:

Contact your local poison control center or get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

The product is not classified as harmful to human health effect. The material is not hazardous as defined by the EU Dangerous Substances/Preparations Directives and is not hazardous also according to CLP criteria.

4.3 Indication of any immediate medical attention and special treatment needed

If skin irritation or rash occurs, get medical advice/attention.

5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Dry chemical, foam, carbon dioxide, water fog.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

When heated above flash point, material will release flammable vapors which can burn or be explosive in confined spaces if ignited. Do not mix strong oxidants such as liquid chlorine or concentrated oxygen.

5.3 Advice for fire-fighters:

Material should be kept out of eyes and of skin. As in any fire, wear self-contained breathing apparatus pressure-demand. MSHA/NIOSH (approved or equivalent) and full protective gear. Do not release runoff from fire control methods to sewers or

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waterways.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Evacuate area of all unnecessary personnel. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Fine dust dispersed in air may ignite.

6.2 Environmental Precautions:

Avoid disposing into drainage/sewer system or directly into the aquatic environment.

6.3 Methods for Containment and Cleaning up:

Wear appropriate protective equipment and clothing during clean-up. Shovel the material into waste container.

6.5 Additional information:

Wet clean or vacuum up solids.

Don't use a brush or compressed air for cleaning surfaces or clothing.

Clear spills immediately.

7 Handling and storage

7.1 safe handling:

7.1.1 Protective measures:

Avoid breathing dusts or fumes. Ensure good ventilation/exhaustion at the workplace. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Storage:

Keep the container in a cool, well-ventilated place. Keep this material away from food, drink, and animal feed. Store away from strong oxidizers and strong acids.

8 Exposure control/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not listed

8.2.1 Appropriate engineering controls: Use local exhaust or general ventilation as required to minimize exposure to dust and maintain the concentration of contaminants below the TLVs. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin.

8.2 Personal protection :

| | |
|------------------------|---|
| Eye/face protection | Safety glasses or a face shield can reduce the possibility of accidental eye contact. |
| Hand protection | Wear appropriate gloves to prevent skin exposure. |
| Body protection | Use impervious gloves for prolonged contact. |
| Respiratory protection | Under normal conditions, respirator is not normally required. |
| Thermal hazards | Wear suitable protective clothing to prevent heat. |

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Solid

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| | |
|--|----------------------------|
| Colour: | Waterwhite or light yellow |
| Odour: | Not available |
| Odour threshold: | Not available |
| pH: | Not available |
| Melting point/range (°C): | Not available |
| Boiling point/range : | Not available |
| Flash point : | Not available |
| Evaporation rate: | Not applicable |
| Flammability (solid, gas); | Not applicable |
| Ignition temperature (°C) : | Not determined |
| Upper/lower flammability/explosive limits: | Not determined |
| Vapour pressure (20°C) : | Not available |

| | |
|-------------------------------------|----------------|
| Vapour density: | Not determined |
| Relative Density (25°C): | Not determined |
| Bulk density (kg/m ³) : | Not determined |
| Water solubility (g/l) at 20°C : | Negligible |
| n-Octanol/Water (log Po/w) : | Not determined |
| Auto-ignition temperature: | Not available |
| Decomposition temperature: | Not available |
| Viscosity, dynamic (mPa s) : | Not determined |
| Explosive properties: | Not explosive |
| Oxidising properties: | Not oxidising |

9.2. Other information:

| | |
|---|---------------|
| Fat solubility(solvent– oil to be specified) etc: | Not available |
| Surface tension: | Not available |
| Dissociation constant in water(pKa): | Not available |
| Oxidation-reduction Potential: | Not available |

10 Stability and reactivity

10.1 Reactivity:

The substance is stable under normal storage and handling conditions.

10.2 Possibility of hazardous reactions:

No dangerous reactions known.

10.3 Conditions to avoid:

Incompatible materials. Avoid excessive heat and all sources of ignition.

10.4 Incompatible materials:

Strong oxidizers, strong acids.

10.5 Hazardous decomposition products: Not available.

11 Toxicological information

11.1 Toxicokinetics, metabolism and distribution

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| | |
|--|----------------|
| Non-human toxicological data: | Not available |
| 11.2 Information on toxicological effects | |
| Acute toxicity: | |
| LD50(Oral, Rat): | Not available |
| LD50(Dermal Rabbit): | Not available |
| LC50(Inhalation, Rat): | Not available |
| Skin corrosion/Irritation: | Not classified |
| Serious eye damage/irritation: | Not classified |
| Respiratory or skin sensitization: | Not classified |
| Germ cell mutagenicity: | Not classified |
| Carcinogenicity: | Not classified |
| reproductive toxicity: | Not classified |
| STOT- single exposure: | Not classified |
| STOT-repeated exposure: | Not classified |
| Aspiration hazard: | Not classified |

| | | | | | | | |
|---------------------------------------|-----|-----------------------|-------------|----------------|---------------|-------------------|----------------|
| 12 Ecological information | | | | | | | |
| Toxicity: | | | | | | | |
| | | Acute toxicity | Time | Species | Method | Evaluation | Remarks |
| LC50 | N/A | 96h | Fish | OECD 203 | N/A | N/A | N/A |
| LC50 | N/A | 48h | Daphnia | OECD 202 | N/A | N/A | N/A |
| EC50 | N/A | 96h | Algae | OECD 201 | N/A | N/A | N/A |
| Persistence and degradability: | | No data available. | | | | | |
| Bioaccumulative potential: | | Not available. | | | | | |
| Mobility in soil: | | Not available. | | | | | |

| | |
|---|--|
| 13 Disposal considerations | |
| 13.1 Waste treatment methods | |
| Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. | |
| 13.2 Product / Packaging disposal: | |
| If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations. . | |

| | | | |
|---------------------------------|---------------------------------|-----------------------------|----------------------------------|
| 14 Transport information | | | |
| | Land transport (ADR/RID) | Sea transport (IMDG) | Air transport (ICAO/IATA) |
| UN-Number: | Not regulated | Not regulated | Not regulated |
| UN Proper shipping name: | Not regulated | Not regulated | Not regulated |

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| Transport hazard Class: | Not regulated | Not regulated | Not regulated |
| Packaging group: | Not regulated | Not regulated | Not regulated |
| Environmental hazards: | Not regulated | Not regulated | Not regulated |
| Special precautions for user: | See section 2.2 | See section 2.2 | See section 2.2 |

15 Regulation information

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

Whether be recorded by other nations chemicals directory :

| | |
|--|-----|
| EU(EINECS) | yes |
| U.S.A(TSCA -Toxic Substances Control Act) | yes |
| Canada(DSL –Domestic Substances List) | yes |
| Canada (NDSL –Non Domestic Substances List) | no |
| Japan (METI -Ministry of Economy, Trade and Industry) | yes |
| Australia(AICS -Australian Inventory of Chemical Substances) | yes |
| New Zealand(HSNO -Hazardous Substances and New Organisms) | yes |
| Korea(KECL -Korean Existing Chemicals List) | yes |
| China (IECSC –Inventory of Existing Chemical Substances Manufactured or Imported in China) | yes |

15.2 Special consideration for downstream users:

Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

15.3 Other information:

Material is not hazardous as defined by the EU Dangerous Substances/Preparations Directives and is not hazardous also according to CLP criteria. EU labelling: not regulated according to EC Directives.

16 Other information

16.1 Indication of changes Version 1.1 Amended by EU No 453/2010

16.2 Relevant R- phrases (number and full text):

Not applicable.

16.3 Training instructions:

Not applicable.

16.4 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.5 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.