MSDS OF THE PRODUCTS

C9 Petroleum (Hydrocarbon) Resin

1. Identification of substance:

Trade name: C9 Petroleum (Hydrocarbon) Resin
Other name: Petroleum resin
Use: Paint, HM Adhesive, PSA, Tape, Rubber. Etc.

Contact Information: QINGDAO WEICHEM CHEMICAL CO.LTD.
603-1-3,NO.63,MIDDLE HONGKONG ROAD,QINGDAO,266071,CHINA
TEL; 86 532 85721337

DATE: MAR. 18, 2024

2. Hazards identification

Hazard designation: N/A
Information pertaining to particular dangers for man and environment : N/A
Classification system
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3. Composition/information on ingredients

Chemical characterization:

CAS No. Designation:	**64742-16-1**	**Hydrocarbon Resin**
Identification number(s):	**none,**	**polymer**

4. First-aid measures

INHALATION Immediately remove the affected victim out of contaminated area and into the fresh air. Administer artificial respiration if breathing is stopped and Keep at rest.
SKIN CONTACT 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.
EYE CONTACT Flush thoroughly with water. If irritation occurs, get medical assistance.
INGESTION Get medical attention immediately.

5. Fire fighting measures

EXTINGUISHING MEDIA Appropriate Extinguishing Media: Use water fog, foam, sand, dry chemical or carbon dioxide (CO2) to extinguish flames.
FIRE FIGHTING 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.

Hazardous Combustion Products: Smoke, Fume, Oxides of carbon, Incomplete combustion products, Flammable hydrocarbons.

FLAMMABILITY PROPERTIES

Flash Point [Method]: N/A

Flammable Limits (Approximate volume % in air): LEL: N/D UEL: N/D

Auto ignition Temperature: N/D

6. Accidental release measures

NOTIFICATION PROCEDURES Notify relevant authorities in accordance with all applicable regulations.

PERSONAL PRECAUTIONS Wear protective equipment listed at Section 8.

ENVIRONMENTAL PRECAUTIONS Prevent entry into waterways, sewers, basements or confined areas.

SPILL MANAGEMENT Land Spill: Spilled pellets present a slipping hazard on hard surfaces.

Water Spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Skim from surface

7. Handling and storage

HANDLING Avoid elevated temperatures for prolonged periods of time. Prevent small spills and leakage to avoid slip hazard. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Material can accumulate static charges which may cause an electrical spark (ignition source). Apart from the specific nature of the polymer product, conditions such as humidity, sunlight and temperature have an influence on the way the product behaves during storage and handling. Special attention should be paid to avoid inappropriate stacking of palletized bags or other package units. Indeed, polymer products may be dimensionally unstable under certain conditions. Avoid conditions generating heat during transfer operations.

Loading/Unloading Temperature: [Ambient]

Transport Temperature: [Ambient]

Static Accumulator: This material is a static accumulator.

STORAGE Store in a cool, dry place. For resins having a softening point below 80°C, prolonged storage above 25°C will cause blocking. For resins having a softening point between 80 and 95°C, prolonged storage above 30°C will cause blocking.

8. Exposure controls and personal protection

Note: Limits/standards shown for guidance only and please follow applicable regulations.

EXPOSURE LIMITED mg/m3 OSHA (respirable dust)

ENGINEERING CONTROLS Control measures to consider: Adequate ventilation should be provided so that exposure limits are not exceeded.

Special Precautions: Should significant vapors/fumes be generated during thermal processing of this product, it is recommended that work stations be monitored for the presence of thermal degradation by-products which may evolve at elevated temperatures (for example, oxygenated components).

PERSONAL PROTECTION Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material as below.

Respiratory Protection: No special requirements under ordinary conditions of use and with adequate ventilation.

If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, usage, and maintenance must be in accordance with regulatory requirements, if applicable.
For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filters capacity/rating may be exceeded.
Hand Protection: Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. If product is hot, thermally protective gloves are recommended. If contact with forearms is likely, wear gauntlet style gloves.
Eye Protection: Safety glasses with side shields are recommended.
Skin and Body Protection: Any specific clothing information provided is based on published literature or manufacturer data. If product is hot, thermally protective, chemical resistant apron and long sleeves are recommended.

Specific Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

9. Physical and chemical properties:

Typical physical and chemical properties are given below. Consult the manufacturer in Section 1 for additional data.
GENERAL INFORMATION Physical State: Solid
Form: flake, granular, powder
Color: Pale yellow to amber
Odor: None to Mild petrochemical
Odor Threshold: N/D

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION
Relative Gravity: 0.99-1.00
Flash Point [Method]: N/A
Flammable Limits (Approximate volume % in air): LEL: N/D UEL: N/D
Auto ignition Temperature: N/D
Minimum Ignition Energy of Dust: 3mJ
Boiling Point / Range: N/A
Vapor Density (Air = 1): N/A
Vapor Pressure: N/A
Evaporation Rate (N-Butyl Acetate = 1): N/A
pH: N/A
Log Pow (n-Octanol/Water Partition Coefficient): N/A
Solubility in Water: Insoluble

Solubility in Organic solvent: Soluble
Viscosity N/A
Oxidizing properties: See Sections 3, 15, 16.
OTHER INFORMATION
Freezing Point: N/D
Melting Point: 95°C – 150°C
Hygroscopic: No

10. Stability and reactivity

STABILITY: Stable under normal conditions.
CONDITIONS TO AVOID: Open flames, high temperatures.
MATERIALS TO AVOID: Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide
HAZARDOUS POLYMERIZATION: Will not occur.

11. Toxicological information

Acute Toxicity:
IARC Classification:

The Following Ingredients are cited on the Lists Below: None. --REGULATORY LISTS SEARCHED--		
1 = IARC 1	2 = IARC 2A	3 = IARC 2B

12. Ecological information

The information given is based on data available for the material, the components of the material, and similar materials.
ECOTOXICITY Not expected to be harmful/chronic toxicity to aquatic organisms.
MOBILITY Low solubility and floats and is expected to migrate from water to the land.
Expected to partition to sediment and wastewater solids.

PERSISTENCE AND DEGRADABILITY Expected to be persistent. Bioaccumulation Potential: low.

13. Disposal considerations

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.
DISPOSAL RECOMMENDATIONS 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.

14. Transport information

LAND: **Not Regulated for Land Transport**
SEA (IMDG): **Not Regulated for Sea Transport according to IMDG-Code**
AIR (IATA): **Not Regulated for Air Transport.**
RID/ADR: **Not Regulated for Land Transport**

15. Regulatory information

Material is not hazardous as defined by the EU Dangerous Substances/Preparations Directives.
EU LABELING: No labeling required according Criteria of European Directive 67/548/EEC and its subsequent amendments.
ROHS: complies with directive 2002/96/EC relating to ROHS (Directive on the restriction of the use of hazardous substances in electrical and electronic equipment)
SARA CLASSIFICATION: SARA hazard categories, SARA section 311/312 (40CFR370.21): NONE
SARA section 313(40CFR 372.65): NONE
Complies with the following national/regional chemical inventory requirements: TSCA, EINECS

16. Other information

N/D = Not Determined, N/A = Not Applicable