



MATERIAL SAFETY DATA SHEET

REVISION DATE: 05. 10 , 2020

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Petroleum Resin
CHEMICAL NAME: Aromatic Hydrocarbon Resin
CHEMICAL FAMILY: Hydrocarbon resin , Petroleum resin
PRODUCT DESCRIPTION: Colorless to Yellowish Granule

CONTACT ADDRESS:

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SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization:

*CAS No. Designation: 64742-16-1 Hydrocarbon resin 99.7%

Antioxidant: 0.3%

*Identification number(s): none, polymer

SECTION 3 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE CONTACT:

Irritating, and will injure eye tissue if not removed promptly.

SKIN CONTACT:

Frequent or prolonged contact may irritate.

Low order of toxicity.

Exposure to hot material may cause thermal burns and adhesion of the solidified product to the skin.

INHALATION:

Negligible hazard at ambient temperature (-28 to 58 Deg C; 0 to 130 Deg C). .

Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

INGESTION:

Low order of toxicity.



SECTION 4 FIRST AID MEASURES

EYE CONTACT:

Immediately flush eyes with large amounts of water for at least 15 minutes.

Get prompt medical attention.

SKIN CONTACT:

Flush with large amounts of water; use soap if available. \

For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing, as the damaged flesh can be easily torn.

INHALATION:

In case of adverse exposure to vapors and/or aerosols formed at elevated temperatures, immediately remove the affected victim from exposure.

Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

INGESTION:

First aid is normally not required.

SECTION 5 FIRE-FIGHTING MEASURES

FLASH POINT: 290 Deg C. **METHOD:** ASTM D92 **NOTE:** Minimum

FLAMMABLE LIMITS: **NOTE:** Not Applicable

AUTOIGNITION TEMP: **NOTE:** Not Applicable

GENERAL HAZARD

Solid material, may burn at or above the flashpoint, and airborne dust may explode if ignited .

Static Discharge, material can accumulate static charges which can cause an incendiary electrical discharge .

FIRE FIGHTING

Use water spray to cool fire exposed surfaces and to protect personnel.

Isolate "fuel" supply to fire.

Extinguish the fire by cooling with water spray.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS

No unusual

SECTION 6 ACCIDENTAL RELEASE MEASURES

LAND SPILL

Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities.

Recover spilled material and place in suitable containers for recycle or disposal.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL

Prevent additional discharge of material, if possible to do so without hazard. Advise authorities



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if floating material enters a watercourse or sewer. If possible, try to contain floating material. Skim from surface. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SECTION 7 STORAGE AND HANDLING

ELECTROSTATIC ACCUMULATION HAZARD

Yes, use proper bonding and/or grounding procedure.

STORAGE TEMPERATURE Deg C: -30 to 40

Ambient

LOADING/UNLOADING TEMPERATURE Deg C:

Ambient

STORAGE/TRANSPORT PRESSURE mmHg:

Atmospheric

LOADING/UNLOADING VISCOSITY Cst:

Not Applicable

STORAGE AND HANDLING:

Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials.

Do not handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight.

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

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS

Local exhaust ventilation of process equipment may be needed to control particulate exposures to below the recommended exposure limit. See personal protection recommendations.

PERSONAL PROTECTION

For open systems where contact is likely, wear long sleeves, chemical resistant gloves, and chemical goggles.

Where contact may occur, wear safety glasses with side shields.

Where contact may occur with hot materials, wear thermal resistant gloves, arm protection and a face shield.

Where concentrations in air may exceed the limits given in this Section and engineering, work practice or other means of exposure reduction are not adequate.

WORKPLACE EXPOSURE GUIDELINES

Puyang Zhongke Xinyuan Petroleum Chemical Co., Ltd. recommends that the lower exposure levels be observed as reasonable worker protection.

THE RECOMMENDED FOLLOWING THRESHOLD LIMIT VALUES:

A TWA of 10 mg/m³ for inhalable particulate (total dust) and a TWA of 3 mg/m³ for respirable particulate (total dust) for Particulates Not Otherwise Classified (PNOC).

Puyang Zhongke Xinyuan Petroleum Chemical Co., Ltd. RECOMMENDS THE FOLLOWING OCCUPATIONAL EXPOSURE LIMITS:



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a TWA of 10 mg/m³ total dust for nuisance dust.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY at Deg C:	0.97-1.08
SOLUBILITY IN WATER, wt. % at Deg C:	Negligible
VISCOSITY OF LIQUID, cSt at Deg C:	Not Applicable
FREEZING/MELTING POINT, Deg C:	Not Applicable
BOILING POINT, Deg C:	Not Available

SECTION 10 STABILITY AND REACTIVITY

STABILITY:

Stable

CONDITIONS TO AVOID INSTABILITY:

Do not heat above 200 C (392 F).

HAZARDOUS POLYMERIZATION:

Will not occur

CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION:

Not Applicable

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:

None

HAZARDOUS DECOMPOSITION PRODUCTS:

No unusual

SECTION 11 TOXICOLOGICAL INFORMATION

Please refer to Section 3 for available information on potential health effects.

SECTION 12 ECOLOGICAL INFORMATION

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

SECTION 13 DISPOSAL CONSIDERATIONS

Please refer to Sections 5, 6 and 15 for disposal and regulatory information

SECTION 14 TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (IMO)

Shipping(IMDG): Not regulated by IMDG/IMO.

SECTION 15 REGULATORY INFORMATION

This product is listed as a UVCB (Unknown, Variable Composition or Biological) Chemical at CAS Registry Number 64742-16-1.

SECTION 16 OTHER INFORMATION

Solid resin is not IMO regulated.



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IMO SHIPPING DESCRIPTION: ELEVATED TEMPERATURE MATERIAL

This MSDS is applicable to the following products:
PZX Series HYDROCARBON RESINS

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness.

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ISSUED BY

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