

Material Safety Data Sheet

Section 1 Chemical product and company identification

Trade name: Heat resistant coating(Silicone coating)

Reference number:

Manufacturer: Hangzhou Jihua Polymer Material Co., Ltd.

Address : No.1766-1, Xinshiji Road,Linjiang Industrial Area, Hangzhou City, Zhejiang Province, 311258, China

Fax: +86 571 22898297

Emergency Call: +86 571 22868026

E-mail: jh@jihuadyes.com

Effective date: OCT. 10, 2020

Section 2 - Composition, Information on Ingredients

Chemical name: Heat resistant coating(Silicone coating)

<u>Composition:</u>	<u>CAS number</u>	<u>Percentage</u>
Organic silicone resin	63148-62-9	30~40%
Red pigment	84632-65-5	20~30%
Carbon black	1333-86-4	10~20%
2-methoxy-1-methylethyl acetate	108-65-6	5~10%
Silicon carbide	409-21-2	0~6%

Section 3 - Hazards Identification

Hazard Class: IMDG Class 3.1 Flammable Liquids

Hazard overview: Flammable at ambient high temperature or naked light, explosive air/vapour mixtures may form in a limited space,

Health hazard: Hypotoxic, anaesthetic to decrease functions of nervus centralis, likely to cause skin irritation, harmful by inhalation

Environment hazard: harmful to environment. Pay attention to its pollution on water and soil.

Section 4 - First Aid Measures

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion:

Give 2-4 cupfuls of milk or soybean milk to induce vomiting. Get medical aid immediately.

Inhalation:

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician: NA

Section 5 - Fire Fighting Measures

Substance of combustion: CO, CO₂, NO, NO₂

Extinguishing media and instruction: in case of fire, use CO₂, chemical powder, or sand.

Other issues during fire fighting: DO NOT use water. Gasproof and fireproof clothing must be used.

Section 6 - Accidental Release Measures

Emergency response: Cut off all sources of ignition. Cut off all leaking source to prevent leaking into cloaca. All personnel must be evacuated from the leaking area. Segregation action shall be taken to control personnel to access to the leaking area. Responsible person must wear suitable protective clothing, gasproof mask, and gloves.

Small leakage: Collect leaked liquids into suitable container. Use sand, earth or other inert matter to absorb remained liquid.

Large leakage: Use pump or vacuum equipment to collect into sealed container for further waste disposal.

Section 7 - Handling and Storage

Handling: Explosion protection for all manufacturing equipments must be made, which grounding through anti-static wires to prevent fire. Air circulation in the plant shall be enhanced to prevent that concentration of chemicals are too high to catch fire.

Storage: Keep in cool and ventilated place, which temperature is not higher than 35°C. The container shall be sealed. Be far away from source of ignition and heat. Emergency response devices, e.g. sand, shall be prepared in the warehouse.

Section 8 – Exposure Controls/Personal Protection

Maximum allowable concentration: 250mg/m³

Engineering control: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Respiratory: Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Vapor respirator.

Eyes: Splash goggles.

Body: Lab coat with anti-infiltration function

Hands: Oil proof rubber gloves (impervious).

Section 9 - Physical and Chemical Properties

Appearance and character: Liquid, excitive odor

Melting point (°C): N/A

Specific gravity (Water=1): 0.95~1.05

Boiling point (°C): No data available

relative vapour density: No data available

critical temperature (°C): No data available

Critical pressure (MPa) : No data available

Flash point(°C): 40.3°C

Water solubility: not dissolved in water, but dissolved very well in ketones solvent

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: naked light, high temperature

Incompatibilities with Other Materials: Strong acid and alkali

Hazardous Decomposition Products: nitrogen oxides, oxycarbide

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

Acute oral toxicity (LD50): 3460mg/kg [big mouse.]

Acute injection toxicity (LD50): 1950mg/kg [small mouse]

Chronic toxicity: Anaesthetic to decrease functions of nervus centralis. This product may be hazardous in case of skin contact (irritant, sensitizer, permeator), of eye contact (irritant), of ingestion.

Carcinogenicity: no

Section 12 - Ecological Information

Not available.

<p>N.W.:</p> <p>Batch No.:</p>	<p>Heat Resistant Coating (Silicone coating)</p>		
	<p style="text-align: center;">Flammable</p> <p>Safe handling:</p> <ul style="list-style-type: none"> ▪ Seal the container, store in cool place ▪ Far away from naked light, heat source, and food ▪ Flush with plenty of water in case skin or eyes contact ▪ Get medical aid immediately in case of ingestion or inhalation <p>Fire extinguisher: Chemical powder, CO2, sand</p>		
	<p>Please contact the manufacturer for MSDS</p>		
	<p>Hangzhou Jihua Polymer Material Co., Ltd No.1766-1, Xinshiji Road, Linjiang Industrial Area, Hangzhou City, Zhejiang Province, 311258, China Tel: +86 571 22868026</p>		
		<p>Emergency call: +86 571 22868026</p>	

Section 13 - Disposal Considerations

Waste character: dangerous waste

Disposal method: Strict controlled burning method

Other issue for disposal: Use specific sealed container to collect waste。

Waste must be disposed of in accordance with your local environmental control regulations. If possible, send to authorized disposal plants for further treatment under controlled conditions.

Section 14 - Transport Information

UN No. 1263

Packing Identification: IMDG Class 3.1 Flammable liquid.

Package class: III

Packing: Iron drum

Issues during transportation: Avoid exposing under strong sunlight in summer.

Prefer transportation in the early morning or in the evening.

Section 15 - Regulatory Information

In accordance with Dangerous Cargo Name List (GB12268-90) issued by Chinese authorities, this product is classified as Class 3.1 Flammable Liquid.

Section 16 – Other Information

Further information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.