

Product Name : **SWANCOR 2513-A**

According to GB/T 16483、GB/T 17519

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

PRODUCT NAME: RESIN HLU 2513-A	
Company name, address, phone number	Swancor New Material Technology Co., Ltd./Songsheng Road, Songjiang District, Shanghai618号/+862157746183
	Swancor (Tianjin) Wind Power Materials Co., Ltd./No. 6 Caiyun Street, Hangu Modern Industrial Zone, Tianjin Economic and Technological Development Zone/+86 22 5991 6567
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	Swancor (Tianjin) Wind Power Materials Co., Ltd.: +86 22 5991 6568
	Swancor(Jiangsu) New Materials Co., Ltd.: +86 0515 8788 6518/ +86 0515 8788 6015
Products and recommended restricted uses: Materials used in drying blades, ships or ground beds	
Swancor New Material Technology Co., Ltd./Postcode: 201600	E-mail: shanghai@swancor.com.cn
Swancor (Tianjin) Wind Power Materials Co., Ltd./Postcode: 300480	E-mail: tianjin@swancor.com.cn
Swancor (Jiangsu) New Materials Co., Ltd./Postcode: 224400	E-mail: jiangsu@swancor.com.cn

2. Risk Overview

GHS hazard category	none
tag element	<p>Pictograms: None</p> <p>Signal word: warning</p> <p>Hazard Statement: May be harmful if swallowed, may be harmful if inhaled</p> <p>Precautionary statements: Preventive measures: Place the container in a well-ventilated place Accident response: Use appropriate personal protective equipment Safe storage: Store in a cool place, keep the container airtight, and store in a dry and ventilated place. Disposal : Handle waste to a licensed company for disposal</p>
Physical and chemical hazards	none
health hazards	Avoid direct contact with skin and eyes
Environmental hazard	Do not discard them casually and must be disposed of through legal waste disposal vendors.
Emergency Overview	Refer to 4. First aid measures
Other hazards	No data available

3. Ingredient/composition information

Components	Concentration or concentration range	CAS No	chemical properties
Bisphenol A type epoxy resin	80-85 %	25068-38-6	No data available
Epoxy thinner	15-20 %	2425-79-8	No data available

4. First aid measures

First aid	General advice: Ask your doctor. Show this safety data sheet to the doctor who attends the scene.
	Inhalation: If inhaled, move victim to fresh air. If breathing stops, perform artificial respiration. Ask a doctor.
	Skin Contact: Take off contaminated clothing and shoes immediately. Rinse with soap and plenty of water. Ask a doctor.
	In case of eye contact, flush thoroughly with plenty of water for at least 15 minutes and consult a physician.
	Ingestion: If swallowed, do not induce vomiting and do not give anything to an unconscious person. Rinse mouth with water. Ask a doctor.
The most important symptoms and harmful effects	No data available
Advice for protecting rescuers	No data available
Special Notes to Doctors	No data available

5. Firefighting measures

Extinguishing agent	Water mist, carbon dioxide, foam, dry chemical powder
special hazard	none

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Precautions for fire extinguishing	This product is usually refractory to flames. If a fire accident occurs, materials outside the fire scene can be isolated, and storage tanks or containers exposed to the fire scene can be cooled with water spray. The containers can be moved away from the fire scene without endangering the safety of personnel. Water mist can be used to absorb heat from a fire and protect materials and buildings exposed to the fire. If the leakage is not yet ignited, spraying water mist can also disperse the vapor and protect the personnel who are trying to stop the leak.
Protective measures	If necessary, wear self-contained breathing apparatus for firefighting operations

6. Emergency leakage treatment

Worker protective measures, protective equipment and emergency procedures	Use personal protective equipment. Avoid contact with skin and eyes, and avoid inhalation of vapors, mist or gases from leaks or secondary hazards. Ensure adequate ventilation and evacuate personnel to safe areas.
Environmental protection measures	Maintain good ventilation in the leakage area. Prevent leakage from entering sewers or confined spaces. Report to government safety, health and environmental protection related units.
Containment and cleanup methods of leaked chemicals and disposal materials USED	1. Do not touch the leaked material. 2. If safety conditions permit, try to prevent or reduce leakage. 3. Avoid discharging into sewers, ditches or enclosed spaces. 4. Contain the spilled material with soil, sand or absorbent that will not react with the spilled material. 5. When a small amount of leakage occurs, an absorbent that does not react with the leaked material can be used to absorb it. Collect and place in a suitable covered container, then flush the contaminated area with water. 6. If there is a large amount of leakage, contact the fire protection, emergency response units and suppliers for assistance. 7. Note: Absorbents containing contaminants may have the same hazard as leaked materials

7. Handling and storage

Operation precautions	Avoid contact with skin and eyes. Avoid Exposure: Obtain specific instructions before use.
Storage precautions	Store in a cool place. Keep the container tightly closed and store in a dry and ventilated place.

8. Exposure control/personal protection

occupational exposure limits	Component name	Standard source	Type	Standard value	Notes
	No data available	No data available	PC-TWA	No data available	No data available
			PC-STEL	No data available	No data available
Biological limits	Component name	Standard source	Biomonitoring indicators	Biological limits	sampling time
	No data available	No data available			No data available
engineering control	Provide local exhaust or process-sealed ventilation system.				
personal protective equipment	Respiratory protection: If the hazard assessment indicates the need for an air-purifying respirator, please use a half-face or full-face respirator. If a respirator is the only form of protection, use a positive pressure air respirator. Hand protection: Rubber or plastic gloves, gloves must be inspected before use. Please use appropriate methods to remove gloves (do not touch the outer surface of the gloves) and avoid any skin contact with this product. After use, please handle contaminated gloves carefully in accordance with relevant laws and regulations and effective laboratory procedures. Please wash and Blow dry your hands. Eye protection: Wear chemical safety glasses. Skin and body protection: Shower equipment and suitable protective clothing. Please use eye protection equipment tested and approved by official standards such as NIOSH (US) or EN 166 (EU).				
hygiene measures	Wash your hands before smoking and eating, and shower your entire body after working.				

9. Physical and chemical properties

Appearance and properties	liquid	Octanol-water partition coefficient (lg P)	No data available
pH value	No data available	Critical temperature (°C)	No data available
Melting point (°C)	No data available	Critical pressure (MPa)	No data available
Boiling point (°C)	No data available	Autoignition temperature (°C)	No data available
Flash point (°C)	>150°C(Closed cup)	Decomposition temperature (°C)	No data available
Explosion limit	No data available	Heat of combustion (kJ/mol)	No data available
odor	No specific smell	evaporation rate	No data available
Saturated vapor pressure (kPa)	No data available	Flammability (solid, gas)	No data available
Relative density (water measured in 1)	1.15g/cm ³ (25°C)	Viscosity (mPa·s)	No data available
Relative vapor density (1 for air)	No data available	Odor threshold (mg/m ³)	No data available
Solubility	No data available		

10. Stability and reactivity

stability	Stable under recommended storage conditions.
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dangerous reaction	No data available
Conditions to avoid	No data available
Incompatible materials	Organic acids, strong oxides, mineral oleic acid
Hazardous decomposition products	No data available

11. Toxicological information

acute toxicity	LD ₅₀ : No data available	
	LC ₅₀ : No data available	
Route of exposure	Skin, Inhalation, Ingestion, Eyes	
symptom	Skin irritation or corrosion	No data available
	Eye irritation or corrosion	No data available
	Respiratory or skin allergy	No data available
	Germ cell mutagenesis	No data available
	Carcinogenicity	No data available
	reproductive toxicity	No data available
	Specific target organ systemic toxicity single exposure	No data available
	Specific target organ systemic toxicity repeated exposure	No data available
Aspiration hazard	No data available	
Chronic or long-term toxicity	No data available	

12. Ecological information

ecotoxicity	No data available
Persistence and degradability	Result: Based on biodegradation tests, this product is not classified as a rapidly biodegradable substance. Note: No data available
bioconcentration or bioaccumulation	No data available
Mobility in soil	No data available
Other harmful environmental effects	No data available

13. Disposal

Disposal methods	Take waste to a licensed company for disposal.
contaminating packaging	When considering cleaning and chemical treatment using specific methods, the waste must be handed over to a licensed company for disposal.
Disposal precautions	none

14. Transportation information

United Nations dangerous goods number (UN number)	-
UN shipping name	non-dangerous goods
United Nations Hazard Classification	non-dangerous goods
Packaging category	-
packaging logo	-
method of packing	-
Marine pollutants (yes/no)	no
Transportation precautions	Please choose the appropriate transportation means and corresponding transportation and storage conditions according to the properties of the chemicals. Transportation vehicles should be equipped with corresponding types and quantities of fire-fighting materials and leakage emergency treatment equipment. If you choose road transportation, please follow the prescribed route.

15. Regulatory information

Laws, regulations, rules, and standards that provide for the management of chemicals	Please note that waste disposal must comply with local regulations.
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16. Other information

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Write and revise information	This revised SDS has revised the full text format and added and deleted some content in accordance with the requirements of GB/T 16483-2008 and GB/T 17519-2013.	
Abbreviations and acronyms	<p>PC-TWA: Time-weighted average allowable concentration, the value is the average allowable exposure concentration for an 8-hour working day and a 40-hour working week specified with time as the weight.</p> <p>PC-STEL: Allowable concentration for short-term exposure, which refers to the concentration that allows short-term exposure (15 minutes) under the premise of complying with PC-TWA.</p> <p>ACGIH: American Conference of Governmental Industrial Hygienists</p> <p>Swancor: Swancor New Material Technology Co., Ltd., Swancor (Tianjin) Wind Power Materials Co., Ltd., Swancor (Jiangsu) New Materials Co., Ltd.</p>	
references	Data source: American Medical Association Archives of Industrial Health, Vol. 17, pages 129-144, 27 references, 19581958. TOXLINE	
Disclaimer	The above SDS information is considered correct, but does not contain all information and is only used as a guide. The information in this document is based on our current knowledge as to the correct safety instructions that apply to this product. This information does not represent a warranty as to the properties of this product. Swancor is not responsible for any damage caused by any operation or contact with the above products. The information in this SDS applies only to the specified product. Unless otherwise specified, it does not apply to mixtures of this product with other substances. This SDS only provides information on product safety for those personnel who have received appropriate professional training for the product. Users of this SDS must make independent judgments on the applicability of this SDS under special applicable conditions.	
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watchmaker	Job Title: R&D Engineer	Tabulator: Yang Shize
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