

Material Safety Data Sheet

Section 1- Chemical Product & Company Identification

Product Name:	3D printed photosensitive resin
Product Model:	WB Series photosensitive resin
Manufacture:	Nanjing Wiiibox 3D Technology Co., Ltd
Address:	No. 12 Mozhou East Road, Jiangning District, Nanjing, 211111, China
Tel:	+86 025-52209378
E-mail:	service@wiiibox.net
Website:	www.wiiibox.net

Section 2- Composition/Information on Ingredients

No Reportable Hazardous Substance(s) or Complex Substance(s).

INGREDIENTS	Approx. Proportion	CAS Number
Acrylic modified oligomers	65%	55818-57-0
Monomert	30%	13048-33-4
Light curing agent	5%	947-19-3

Section 3- Hazards Identification

This material is not considered to be hazardous.

PHYSICAL / CHEMICAL HAZARDS	N/A
HEALTH HAZARDS	<ul style="list-style-type: none">● No adverse effects due to inhalation are expected. When heated, the vapour/fumes given off may cause respiratory tract irritation.● Contact with molten material will cause thermal burns.

Section 4- First Aid Measures

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.
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	First aid is normally not required. Seek medical attention if discomfort occurs.

Section 5- Fire Fighting Measures

EXTINGUISHING MEDIA	<ul style="list-style-type: none"> ● Appropriate Extinguishing Media: Use dry chemical or carbon dioxide (CO₂) to extinguish flames. ● Inappropriate Extinguishing Media: Straight streams of water
FIRE FIGHTING	<ul style="list-style-type: none"> ● 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. ● Hazardous Combustion Products: Flammable hydrocarbons, Oxides of carbon, Smoke, Fume, Incomplete combustion products

Section 6- Accidental Release Measures

SPILL OR LEAK	Allow to solidify at room temperature, scrape up and place in disposal container. In case of the collection in a molten state, use safety glasses, thermal insulating gloves and other clothing as necessary to protect from thermal burns.
NOTIFICATION PROCEDURES	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
ENVIRONMENTAL PRECAUTIONS	N/A

Section 7- Handling and Storage

Handling	<ul style="list-style-type: none"> ● Avoid elevated temperatures for prolonged periods of time. 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. ● Use melting and coating equipment designed for hot melt adhesive. For molten product use safety glasses, thermal insulating gloves and other clothing as necessary to protect from thermal burns. Molten product temperature should be within the range written on the Technical data sheet of the product.
Storage	<ul style="list-style-type: none"> ● Store in a cool, dry place, indoor, unexposed to the sunlight.

Section 8 - Exposure Controls/Personal Protection

Engineering Controls	N/A
Personal Protective Equipment	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 provided below, is based upon intended, normal usage.
Respiratory Protection	<ul style="list-style-type: none"> ● 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, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include: <ul style="list-style-type: none"> ● No special requirements under ordinary conditions of use and with adequate ventilation. ● 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/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.
Hand Protection	If product is hot, thermally protective gloves are recommended. If contact with forearms is likely, wear gauntlet style gloves.
Eye Protection	If contact is likely, safety glasses with side shields are recommended.
Skin and Body Protection	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.

Section 9- Physical and Chemical Properties

Physical State	Physical State: Solid
	Colour: Mixed color
	Solid Content: 100%
	Base: High polymer

Section 10 – Stability and Reactivity

STABILITY	Material is stable under normal conditions.
CONDITIONS TO AVOID	Avoid elevated temperatures for prolonged periods of time.
HAZARDOUS DECOMPOSITION PRODUCTS	Material does not decompose at ambient temperatures.
HAZARDOUS POLYMERIZATION	Will not occur.

Section 11 – Toxicological Information

No data available.

Section 12-Ecological Information

The information given is based on data available for the material, the components of the material, and similar materials.

ECOTOXICITY

- Material -- Not expected to be harmful to aquatic organisms.
- Material -- Not expected to be harmful to terrestrial organisms

Section 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.

Section 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

Section 15 – Regulatory Information

Material is not hazardous as defined by the EU Dangerous Substances/Preparations Directives.

Section 16 – Additional Information

N/D = Not determined, N/A = Not applicable

The information and recommendations contained herein are, to the best of Lead chemical's knowledge and belief. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to insure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited.