

Material Safety Data Sheet

PH Bonder

Page 1 of 6

Section 1. Identification

Product Name	PH Bonder
Chemical Name	N/A
Product Use	Nails
Manufacture	Shizhiyu (Guangzhou) Biotechnology Co., Ltd.
Address	A12-1, Youyuan Changban Innovation U-Park, 21 Changyuan Road, Tianhe District, Guangzhou, China 510650
Information Contacts	+86-18122356510
Emergency Phone Nunbers	+86-18122356510

Section 2. Composition / information on ingredients

Components	CAS #	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSH A	Content %
Acrylates Monomer	25035-69-2	N/A	Acrylates Monomer	N/E	N/E	Not listed	15-25%
Isobornyl Methacrylate	7534-94-3	231-403-1	Isobornyl Methacrylate	N/E	N/E	Not listed	15-25%
Dimethyl Carbonate	616-38-6	210-478-4	Dimethyl Carbonate	N/E	N/E	Not listed	50-60%
N/E - None Established N/R - Not Reviewed N/DA - No Data Available N/A - Not Applicable							

Material Safety Data Sheet

PH Bonder

Section 3. Hazards Identification

WARNING		
This information may be based on findings from related or similar materials.		
<i>HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED. DO NOT SPRAY. DO NOT HEAT.</i>		
<i>MAY CAUSE ALLERGIC SKIN REACTION. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION</i>		
Physical state: liquid	HEALTH: 1*	Color: Transparent
Odor: Ester-like odor	PHYSICAL HAZARD: 1	Personal Protection: See Section 8
Relevant routes of exposure: Skin, Inhalation, Eyes		
Potential Health Effects		
Skin Contact: Contact skin will cause irritation.		
Eye Contact: Contact with eyes will cause irritation.		

Section 4. First Aid Measures

Inhalation	Remove to fresh air. If symptoms develop and persist, get medical attention.
Skin Contact	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical attention if symptoms occur.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
Ingestion	Do not induce vomiting. Keep individual calm. Get medical attention immediately.

Section 5. Fire-fighting Measures

Flash point: >87°C
Auto ignition temperature: Not available
Flammable/Explosive limits-lower %: Not available
Flammable/Explosive limits-upper %: Not available
Extinguishing media: Foam, dry chemical or carbon dioxide.
Special fire fighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards: Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers.
Hazardous combustion products: Oxides of carbon. Oxides of nitrogen. Irritating organic vapors. Toxic fumes.

Material Safety Data Sheet

PH Bonder

Section 6. Accidental Release Measures

Clean-up Methods: Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

Environmental Protection : Prevent diffusion, Prevent entry into the sewage system or open waters.

Section 7. Handling and Storage

Handling : Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. DO NOT heat or spray. Use only with adequate ventilation. Refer to Section 8. Use only in area provided with appropriate exhaust ventilation.

Storage : For safe storage, store at or below 30°C (86°F). Product is extremely light sensitive. If exposed to natural light, LED, UVA, UVB or UV any light, material will cure very quickly. Store in a cool, dry place, away from heat and all types of light. Store away from incompatible materials. Keep this materials away from heat, sparks, and open flame. Keep containers tightly closed when not in use.

Incompatible products: Refer to Section 10.

Section 8. Exposure Controls / Personal Protection

Engineering Controls: Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

Respiratory Protection: Use COSHA approved respirator if there is potential to exceed exposure limit(s). If this material is handled at elevated temperatures or under mist forming conditions, without engineering controls, a COSHA approved respirator must be used.

Skin Protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves.

Eye/Face Protection: Safety goggles or safety glasses with side shields. In a splash hazard environment, chemical goggles should be used in combination with a full face shield.

Section 9. Physical and Chemical Properties

Appearance	color	Odor	Odor Threshold	PH	Melting point/freezing point
Viscous liquid	Transparent	Ester-like	N/A	N/A (Insoluble)	N/A
Boiling Point	Flash point	Evaporation rate	Flammability (solid, gas)	Upper/lower flammability or explosive limits;	Vapour pressure
N/A	>87°C	N/A	N/A	N/A	< 1 mmHg @20°C

Material Safety Data Sheet

PH Bonder

Vapour density	Solubility In Water	Relative density	Solubility(ies)	Partition coefficient: n-octanol/water;	Auto-ignition temperature
N/A	Insoluble	(H ₂ O=1): 0.90	Insoluble in the following materials: cold water and hot water	N/A	N/A
Decomposition Temperature		Viscosity	Explosive properties		Oxidising properties
N/A		300~500mpa.s @30°C	N/A		N/A
Flash Point			Flammable Limit (vol %)		Auto-ignition Temperature
>87°C			N/DA		N/DA

Section 10. Stability and Reactivity

Stability: Stable under normal conditions of storage and use
Conditions to Avoid : Storage>100°F/38°C, exposure to light, loss of dissolved air, loss of polymerization, contamination with incompatible materials.
Hazardous Polymerization: May occur --- Uncontrolled polymerization may cause rapid evolution of heat and increased pressure that could result in violent rupture of sealed storage vessels or containers.
Incompatibility : Peroxides, oxidizing agents.
Hazardous Decomposition Products: Oxides of carbon. Oxides of nitrogen. Irritating organic vapors.

Section 11. Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - skin	Irritation - Eye
No info available	No info available	No info available	No info available	No info available
Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.				
Sensitization		Mutagenicity		Sub-chronic Toxicity
N/DA		N/DA		N/DA

Material Safety Data Sheet

PH Bonder

Section 12. Ecological Information

Ecotoxicological Information				
Acute Toxicity to Fish	Acute Toxicity to	Acute Toxicity to	Bioconcentration	Toxicity to Sewage
No Information	No Information Available	No Information	No Information	No Information Available
Chemical Fate Information				
Biodegradability	No Information Available			
Chemical Oxygen Demand	No Information Available			
To the best of our knowledge, the ecotoxicological and chemical fate properties have not been thoroughly investigated. Do not allow to enter drinking water supplies, wastewater, or soil.				

Section 13. Disposal Considerations

Recommended Method of Disposal: Disposal should be in accordance with existing Chinese environmental regulations.
ECE Hazardous Waste Number: Not a RCRA hazardous waste.

Section 14. Transport Information

The shipping classifications in this Section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.			
P.R.C Department of Transportation Ground :			
Proper shipping name	Hazard class or division	Identification number	Packing group:
Unrestricted	None	None	None
International Air Transportation (ICAO/IATA):			
Proper shipping name	Hazard class or division	Identification number	Packing group:
Unrestricted	None	None	None
Water Transportation (IMO/IMDG):			
Proper shipping name	Hazard class or division	Identification number	Packing group:
Unrestricted	None	None	None

Section 15. Regulatory Information

P.R.C Regulatory Information
All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

Material Safety Data Sheet

PH Bonder

Section 16. Other Information

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