

Material Safety Data Sheet (MSDS)

Part 1: Chemicals and Corporate Identification

Chemical Name (Chinese): M78H-3068UV Conformal Coating

Chemical formula: mixture

Company Name: Zhuhai Changxian New Material Technology Co., Ltd.

Address: Langwan Road, Fine Chemical Industrial Zone, Gaolan Port Economic Zone, Zhuhai City

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Company emergency hotline: +86-13802269905

National Emergency Hotline: +86-532-83889090

Part 2: Hazard Overview

Hazard information The health hazards include corrosiveness and sensitization, and can enter the body through skin contact, inhalation, and eye contact.

It causes moderate irritation to the eyes, skin, and respiratory tract; prolonged exposure to the steam can cause drowsiness.

Environmental hazards It is not permitted to discharge into ditches, sewers, or rivers.

Explosion hazard This product is non-flammable.

Part 3: Ingredient Information

Pure ☐ Mixtures

	Material composition	content(%)	CAS NO	Remark
1	Modified polyurethane acrylate	20-50	Trade secrets	
2	Trimethylcyclohexyl acrylate	20-30	86178-38-3	
3	Photoinitiator	1-5	Trade secrets	
4	Additives	0.1-5	Trade secrets	
5	Other acrylates	0-35	Trade secrets	

Part Four: First Aid Measures

If eye contact occurs, immediately lift the eyelids and rinse with running water for at least 15 minutes, and seek immediate medical attention.

If skin contact occurs, rinse immediately with water for at least 15 minutes. If symptoms persist, seek medical attention.

If inhaled, immediately move to fresh air. If symptoms persist, seek medical attention.

If accidentally ingested, have the person drink plenty of warm water, induce vomiting, and seek immediate medical attention.

Part 5: Firefighting Measures

Hazardous property: It will burn at high temperatures.

Hazardous combustion products: carbon dioxide, carbon monoxide, nitrogen oxides and unknown organic compounds.

Suitable extinguishing agents: carbon dioxide, dry powder, foam.

Special firefighting methods and special protective equipment for firefighters: Wear self-contained breathing apparatus and appropriate protective clothing. When handling burning debris, neoprene gloves must be worn.

Part 6: Leakage Emergency Response

Worker protective measures: Follow independent precautions.

Environmental protection measures: Waste is disposed of by incineration in a suitable chemical treatment facility.

Emergency response procedure: Immediately wipe with a cotton cloth soaked in acetone or alcohol, and place the waste in a sealed container.

Protective equipment: protective gloves, protective goggles.

Containment and cleanup methods for spilled chemicals: Immediately wipe the spilled area with a cotton cloth soaked in acetone or alcohol, and place the waste in a sealed container. Dispose of the waste according to established procedures.

Part 7: Handling and Storage

Storage temperature: 0-30°C

Special sensitivities: Moisture-proof, light-proof

Operating precautions: Good air circulation must be maintained.

Storage precautions: Store at 0-30°C away from light.

Part 8: Exposure Controls / Personal Protection

Maximum permissible concentration	TLV ☐ PEL ☐			Other
	TWA	STEL	Ceiling	
	Undecided	Undecided	Undecided	

Monitoring method: Undetermined

Respiratory protection: Ensure adequate ventilation during use.

Engineering controls: Enhance ventilation

Eye protection: Safety glasses

Skin and body protection: Wear appropriate protective clothing and equipment.

Hand protection: Use corrosion-resistant gloves

Other precautions: Wash hands after work and pay attention to personal hygiene.

Part Nine: Physical and Chemical Properties

Appearance and properties: Transparent liquid
Odor: No irritating or unpleasant odor
Melting point/freezing point: Undetermined
Ignition temperature: Undetermined
Flash point: >92°C
Decomposition temperature: 350°C
Relative density (water=1): 1.0~1.1
Relative vapor density (air=1): Not applicable
Saturated vapor pressure (kPa): Not applicable
pH value: Not applicable

Part 10: Stability and Reactivity

Stability: This product is stable when stored and used at normal ambient temperature.
Incompatible material: Water.
Situations to avoid: open flames, high heat.
Polymerization activity: Dangerous polymerization may occur at high temperatures.

Part 11: Toxicological Information

Acute toxicity	LD50/Ventilation	LD50/Transdermal 24h	LC50/Inhalation	other
	0.316 g/kg of rat	Rabbit 0.518g/Kg	0.776 g/m ³ (mice)	

Subacute and chronic toxicity:undetermined
Irritation:Undetermined
Sensitization:Undetermined
Mutagenicity:Undetermined
Teratogenicity:Undetermined
Carcinogenicity:NTP:Undetermined; LARC: Undetermined;
OSHA: Undetermined

Part Twelve: Environmental Data

Potential environmental impact: Discharge into ditches, sewers, and waterways is not permitted .
Ecotoxicity:Undecided
Biodegradability:Undetermined
Bioaccumulation or bioconcentration:unknown
Other adverse effects:undetermined

Part Thirteen: Waste Disposal

Waste type: ☐ Hazardous waste, industrial solid waste

Waste disposal method: Incinerate the waste in a suitable chemical treatment device.

Disposal precautions: Empty containers may contain product residue; after emptying the container, still comply with the MSDS and warnings.

Part Fourteen: Transportation Information

United Nations Dangerous Goods Number (UN): Undetermined

United Nations Transport Name: Undetermined

United Nations Hazard Classification: Undetermined

Packaging category/group: Undetermined

Transportation Precautions: This product is transported as a general chemical product, and national laws and regulations must be followed during transportation.

Part Fifteen: Regulatory Information

project	Standard number	Regulation Name	Effective Date
Domestic chemical safety management regulations:	GB13690-2009	General Rules for Chemical Classification and Hazard Disclosure	2010-05-01
	GB12268-2005	List of Dangerous Goods	2005-11-01
	GB/T16483-2008	Regulations for the Preparation of Safety Data Sheets for Chemicals	2009-02-01
	GB6944-2005	Dangerous goods classification and product code	2005-11-01
	GB/T15098-2008	Method for classifying dangerous goods transport packaging	2009-04-01

Part Sixteen: Other Information

This document was prepared with reference to domestic chemical safety management regulations. The information in this document is based on our current knowledge and applies to this product with regard to correct safety precautions. This information does not constitute a guarantee of the properties of this product.