

Material Safety Data Sheet

Section 1: COMPANY DETAILS

Manufacturer/Supplier: GUANGDONG HENGDA NEW MATERIALS TECHNOLOGY., Ltd.	Telephone: 0752-2372651
Address: Longfeng Dutian Industrial District, Huizhou city, Guangdong Province, China	Postal Code: 516001
Product Name: Kafuter UV Curing Adhesive K-303	

Section 2: Ingredient/Component Information

No.	Ingredient	CAS No.	%
1	Polyurethane Acrylate Polymer	Proprietary	35~40
2	Acrylate Monomer	5888-33-5	25~35
3	N, N - DimethylAcrylamide (DMAA)	2680-03-7	25~35
4	Agent	2530-85-0	1~5
5	Light Initiator A	7473-98-5	1~2
6	Light Initiator B	Proprietary	1~2

Section 3: Hazards Identification

Risk category: inflammable liquid	Trespass ways: suction, absorption by skin
Health Hazard	This product can occur irritating gas
	Acute poisoning It will a bit burn the skin if contact, also it would causes difficulty in breathing and tightness in the chest
	chronic poisoning May irritate skin, eye even respiratory tract
Environment Hazard	The cured is not-hazardous waste, would not pollute the environment.
Explosion Hazard	Flammable, but not-explosive



Section 4: First-Aid Measures

Skin contact	Do not pull bonded skin apart. Soak in warm soapy water
Eye contact	Immediately flush with plenty of water for at least 5 minutes, get medical attention.
Ingestion	Clean the mouth, and drink a lot of water, or get medical attention
Suction	Quickly go to ventilate place with fresh air t. If have symptom continually, please get the medical help.

Section 5: Fire Protection Measures

Hazard Properties	Flammable, Keep away from heating. it will irritate the eye and skin
Harmful burning products	Irritating Carbon Monoxide
Extinguishing method& Fire extinguishing agent	Distinguishing by Foam, Carbon dioxide, Water spray or fog, Dry powder.
Distinguishing Cautions	The whole body should wear fire protective clothing, including boot. Take positive pressure self-contained compressed air breathing apparatus. Distinguishing in upper drift, invalid by using water

Section 6: Accidental Release Measures

Emergency Process	Do not use cloths for mopping up. Flood with water to complete polymerization and scrape off the floor. Cured material can be disposed of as non-hazardous waste.
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Section 7: Handling and Storage

Operation:	Avoid contact with eye, skin, and clothes directly and any absorption. Please flush with plenty of water after using.
Storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

Section 8: Exposure Controls & Personal Protection

Top Allowing Concentrations	79-10-7 acrylate TLV: 2ppm, 5.9 mg/m3
Monitoring Way	NONE
Air Control	Work under local exhaust/ventilation
Respiratory Protection	It may contact with vapor, should wear self-priming filter type gas mask
Eye Protection	Put on the chemical safety protection glasses if necessary
Skin Protection	Wear antistatic working clothes
Hand Protection	Wear oil-resistant rubber gloves
Other Protections	No smoking in working place, keep good health habit. After finishing the work, should be take a shower and change the clothes.

Section 9: Chemical Properties

Appearance	Colorless or pale yellow liquid		
Application	Plastic to plastic bonding or plastic to other materials bonding		
Flash Point(°C):	>93	Boiling Point(°C):	None
Explosive	No Hazard	pyrophorisis:	No
Dissolution	dissolve in acetone and dichloride, etc		

Section 10: Stability & Reactivity

Stability	Stable	Conditions to avoid	Open fire, high heating, and strong light
Polymerization Hazard	Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.		
Materials to avoid	amines, halogen, alkalis, acids, oxidant, reductants, superoxide		

Section 11: Toxicological Information

Acute oral toxicity:	N, N - DimethylAcrylamide (DMAA): CAS.No: 2680-03-7 LD ₅₀ 460 mg/kg (mouse via mouth) LD ₅₀ 310mg/kg(rat via mouth) LD ₅₀ 907 mg/kg (rat via skin) LC ₅₀ /4h 0.67mg/l(rat absorbed)
chronic poisoning	Long using make cause dermatitis
Irritating	Irritant, Allergen, Respiratory

Section 12: Ecological Information:

Ecological Hazard:	Will hazard water organics, like water and fish
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Dissolution:	None
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Section 13: Disposal Considerations:

Hazardous Waste	The cured products can regard as not-hazard waste.
Recommended method of disposal:	Follow all local, state, federal and provincial regulations for disposal.

Section 14: Transport Information

Hazardous product No.	NONE	UN No.:---
Packing Sign	Flammable Liquid	Packing Category: (II) type
Transport Consideration	Prevent sun exposing and impacting, isolate with acids, oxidant when transport, the packing should be sealed and carried carefully to keep the container completed	
Packing Ways	Black bottle	

Section 15: Regulatory Information

"The hazardous chemical materials safety management regulation" (The State Council order no. 344, released on March 15th in 2002), based on the laws & regulations from "working place safety usage the chemical products", there are a series of corresponding provisions about safe usage, production, storage, transportation, and loading, etc.

Section 16: Other Information:

Filling Apartment	Guangdong Hengda New Material Technology Co., Ltd. R&D Center
Reference	"New Hazardous Goods Safety Manual" published by Beijing Chemicals Industrial Press (2001) Rechard P.Pohanish ,Stanley A.Greene from "The safety engineering research institute of SINOPEC" wrote "hazardous chemical safety manual", published by China Petrochemical Press (2003).
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Note

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