

Material safety data sheet (MSDS)

Chemical name: Epoxy resin adhesive

Number: TY-QY-MSDS-016

Name: T-740 Epoxy resin adhesive

Revision date: July 27, 2021

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T-740 Material safety data sheet

Prepared according to GB / T

16483 and GB / T 17519

First edition date: November 8,

Item 1 – chemical and enterprise identification

Chinese name of chemical	T-740 环氧树脂胶
English name of chemical	T-740 Epoxy resin adhesive
Enterprise name	深圳市腾一新材料有限公司 Shenzhen Tengyi New Material Co., Ltd.
Address	1508, Block B, Republic Feng Building, Meilong Road, Longhua New District, Shenzhen
Zip code	518109
Telephone number	+86 -0755-28030039
Recommended use	This product is suitable for medium temperature curing process, mainly used for potting, sealing and bonding of components
Restricted use	NA

Item 3–Hazard Information

Hazard category: skin corrosion / irritation category 2

Eye injury / eye irritation category 2

Chronic hazards to water environment category 3

Label elements:



Hazard Description: cause skin damage and eye damage

Harmful to aquatic organisms

Precautions: do not eat, drink or smoke when using this product

Wash hands thoroughly after operation

Wear acid and alkali resistant rubber gloves, protective masks and goggles

Explosion hazard: None

Health hazards: ingestion and long-term skin contact have a certain impact on health; Accidental splashing on the eyes may cause inflammation

Environmental impact: it may cause slight harm to water body, and special attention shall be paid to plants and aquatic organisms

Item 3 – Composition / composition information

CAS NO.	Composition	Percentage (%)
25085-99-8	Epoxy resin	30-50
	Hardener	
55774-85-1	Silica	15-25
	Thinner	
112945-52-5		30-50
13236-02-7		5-10

Item 4 – first aid measures

Skin contact	Take off contaminated clothes immediately, rinse with clean water for at least 5-10 minutes, and seek medical advice if you feel unwell
Eye contact	Lift the eyelids immediately, rinse thoroughly with a large amount of flowing water for 5-10 minutes, and see a doctor if you feel unwell
inhalation	Transfer to air ventilation
Ingestion	Drink enough warm water, do not induce vomiting, drink a lot of milk and seek medical attention immediately

Item 5 – fire fighting measures

Hazard characteristics	nothing
Harmful combustion products	Co, CO ₂ , carbohydride
Fire extinguishing method and extinguishing agent	Water, foam extinguishers, dry chemicals, carbon dioxide
Precautions for fire extinguishing	Decide whether to use gas masks according to specific conditions

Item 6 – emergency treatment of leakage

Protective measures, protective equipment and emergency disposal procedures for operators	Isolate the polluted area. It is recommended that the emergency treatment personnel wear protective work clothes, acid and alkali resistant rubber gloves and protective masks. Do not touch the leakage directly
Environmental protection measures	Collect leakage, avoid environmental pollution and prevent leakage from entering sewer, surface water and groundwater; Storage of leaked chemicals, clear methods and disposal materials used;
Small leakage	Cover with sand or soda ash and collect in a dry, clean and covered container with a clean shovel;
Massive leakage	Build a dike or dig a pit to receive; Pump it to a special collector and transport it to the waste disposal site for disposal.

Item 7 – handling and storage

Precautions for operation	Closed operation and enhanced ventilation. Pay attention to personal protection during sub packaging and handling, and wear gloves and safety goggles to prevent skin contact; Keep away from eyes and prevent inhalation of gas. Keep away from heat sources. Smoking is strictly prohibited in the workplace. Keep away from inflammables and combustibles. Handle with care to prevent damage to packaging and containers.
Storage precautions	Store at -20 °C away from light and keep sealed and dry.

Item 8 – exposure control and personal protection

Maximum allowable concentration	NA
Occupational exposure limits	NA
engineering control	Closed operation, full ventilation and safety protection equipment
respiratory system protection	Wear self-priming filter respirator
Eye protection	Wear chemical safety goggles
Body protection	Wear chemical acid and alkali resistant overalls
Hand protection	Wear acid-base resistant gloves
Other protection	NA

Item 9 – physical and chemical properties

Appearance and character	viscous liquid		
colour	Black	Liquid conductivity	No data
Specific gravity g / cm ³ (20 ± 1 °C)	1.28–1.38	Evaporation rate	No data
PH value	≈8	Flammability (solid, liquid)	Nonflammable
Saturated vapor pressure	No data	Steam pressure	No data
Flash point (°C)	>180°C	Vapor density	no data
Lower explosive limit (%)		Volatile organic compounds	No data
Upper explosion limit (%)	nothing	radioactivity	No data
Solubility	nothing	calorific value	

Melting point / freezing point	Slightly soluble in water No data	Viscosity @ 25 °C, MPa. S	8000-14000
Item 10 – stability and reactivity			
Stability	stable		
Dangerous reaction	No data		
Conditions to avoid	Heat, smoke, sparks and other kindling. moisture-proof		
Forbidden compound	No data		
Hazardous decomposition products	Carbon oxide		
Item 11 – toxicological information			
acute toxicity	No data		
Subacute and chronic toxicity	No data		
Sensitization	It will irritate the skin and eyes		
Paroxysmal	No data		
Teratogenicity	No data		
carcinogenicity	No data		
Item 12 – ecological information			
Ecotoxicity	It may cause slight harm to water body, and special attention shall be paid to plants and aquatic organisms		
Persistence and degradability	No data		
Potential bioaccumulation	No data		
Migration in soil	No data		
Item 13 – disposal			
Before disposal, please refer to national and relevant regulations.	It is non degradable and cannot be directly discharged into the sewer. High concentration is harmful to aquatic organisms.		
Waste chemicals			
Contaminated packaging	Do not reuse empty containers that have not been disposed of or discarded. If waste contaminated empty containers are to be reused, they should be thoroughly cleaned until the product does not exist; The cleaning fluid should be treated innocuously.		
Item 14 – Transportation Information			
Packaging method	Plastic tube / bottle, carton packaging		
Transportation precautions	During transportation, ensure that the container does not leak, collapse, fall or damage.		
Item 15 – regulatory information			
standard	GB 30000-2013 code for classification and labelling of chemicals		
statute	Law of the people's Republic of China on the prevention and control		
Classification of occupational hazard factors	of occupational diseases;		

GBZ 2.1-2007 occupational exposure limits for hazardous factors in the workplace chemical hazardous factors	Not included Not included List of hazardous chemicals: not listed
Regulations on safety management of hazardous chemicals	List of highly toxic substances: not listed
Regulations on labor protection in workplaces where toxic substances are used	List of existing chemical substances in China:
Environmental management measures for new chemical substances	

Item 16 - other information

Filling Department	Production safety law of the people's Republic of China
Data review unit	R & D Department of Shenzhen Tengyi New Material Co. , Ltd.
Update date	Quality control department of Shenzhen Tengyi New Material CO.,LTD
Other information	2021-07-27 The company has made every effort to make the above data correct, but the error is still inevitable. All data are for reference only. Please be responsible for judging its feasibility according to the application requirements.