

MSDS of Tech-5977

Revision date: July 21, 2026

Prepared in accordance with GB / T 16483 and GB / T 17519 Version 2.0

1. Chemical name and manufacturer information

Product Name: Tech-5977

Manufacturer : Shanghai China Tech Polymer Technology Co., Ltd

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Hunan Road, Pudong New Area, Shanghai

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2. Chemical composition information

Chemical Composition:

Polymeric containing pigment affinity groups (100%)

Components Of Hazardous Substances:

Non hazardous ingredients

3. Hazard overview



Emergency Overview: liquid without hard block after mixing. According to the globally chemicals harmonized classification and labelling system (GHS), the product is non hazardous and has no GHS classification.

GHS Hazard Category:

According to the globally chemicals harmonized classification and labelling system (GHS), the product is non hazardous and has no GHS classification.

Physical And Chemical Hazards: According to the existing experience and data, there are no physical and chemical hazards when appropriate preventive measures are taken for normal use.

Health Hazards: According to the existing experience and data, there are no physical and chemical hazards when appropriate preventive measures are taken for normal use.

Environmental Hazards: No data.

Other Hazards: No data.

4. First aid measures

Inhalation: immediately transfer to a place with fresh air to avoid injury

Skin Contact: take off the contaminated clothes at the first time and wash them with clean water or soapy water immediately

Eye Contact: in case of contact with eyes, wash immediately with plenty of water

Ingestion: do not induce vomiting, contact the hospital immediately

Doctor Assistance Information: there are no chemicals that require special assistance

5. Fire fighting measures



Hazardous characteristics: no combustion

Effective means of extinguishing fire: foam, carbon dioxide, dry powder extinguisher or fire hydrant.

Harmful substances that may be generated during fire extinguishing: carbon dioxide and irritants generated by combustion

Special equipment required for fire fighting: if necessary, special protective clothing shall be worn during fire fighting

6. Emergency treatment of leakage

Personal precautions: use personal precautions

Environmental protection means: the product cannot be introduced into the drainage pipeline

Cleaning: absorption of inert materials (e.g. sand, silica gel, sawdust, etc.).

7. Handling and storage

Precautions for operation:

Suggestions for safe use: use ventilation equipment and do not take it orally



Storage precautions:

Requirements for storage container and site: the storage container shall be sealed and stored in a ventilated place

Further requirements for storage conditions: keep away from heat sources

8. Exposure contact and personal protection

Allowable contact concentration at the workplace:

Compound	CAS#	Standard type	Control parameters		Source
			Value [ppm]	Value [mg/m ³]	
No hazard					

Personal protective facilities

Respiratory protection: respiratory device shall be worn in the place with poor ventilation

Hand protection: wear work gloves

Eye protection: wear protective goggles

Skin to body contact: wear long sleeved clothes

Sanitary means: the operation needs to follow strict sanitary operation specifications

9. Physical and chemical properties



Form: liquid
Color: yellow
Smell: special smell
Melting point: no relevant data
Flash point: more than 100 ° C (closed cup test method)
Initial boiling point: more than 200 ° C
Steam pressure: no relevant data
Density: 1.06 g / cm³ at 20 ° C (1.013 HPA) test method: according to DIN EN ISO 2811-3
Bulk density: no relevant data
Water solubility: soluble
Viscosity at 20 ° C: no relevant data
Viscosity at 40 ° C: no relevant data
Surface tension: no relevant data

10. Stability and reactivity

Stability: stable
Reactivity:
Service conditions to avoid: direct use will not decompose
Substances to avoid common use: strong oxidants

11. Toxicological data

Acute oral toxicity: no relevant data
Skin contact toxicity: no relevant data
Eye contact: no relevant data
Toxic dose: no relevant data
Additional suggestion: no relevant data

12. Ecological data

Ecotoxicity effect

Acute toxicity (toxicity to fish): no relevant data
Mobility: no relevant data
Microbial toxicity: no relevant data

Other side effects: no relevant data

Degradation information (residue and degradability)

Biodegradability: no relevant data

Bioaccumulation toxicity: no relevant data

13. Waste disposal

Product: dispose according to local regulations

Empty drums not cleaned: dispose of in accordance with local regulations

14. Transportation information

Land transportation

unrestricted

Ocean shipping

unrestricted

Air transport

unrestricted

15. Regulatory information

Applicable regulations

Decree No. 591 of the State Administration of work safety on the safety management of hazardous chemicals:

Catalogue of hazardous chemicals (2015 Edition) (non serious drugs): Not listed

List of dangerous chemicals liable to explosion: Not listed

Catalogue of hazardous chemicals (version 2015) (highly toxic products): Not listed

Hazardous chemicals (products only): No

The list of the first batch of key regulated hazardous chemicals published by the State Administration of work safety: Not listed

The second batch of hazardous chemicals under key supervision published by the State Administration of work safety: Not listed

List of hazardous chemicals under key environmental management: Not listed

Decree No. 653 of the State Council of the people's Republic of China on the administration of precursor chemicals:

Regulations on import and export management of precursor chemicals:

List of categories and varieties of precursor chemicals attached to the regulations on the administration of precursor chemicals: Not listed

Regulations of the people's Republic of China on the administration of MCCs:

List of various MCCs: Not listed

List of toxic chemicals whose import and export are strictly restricted in China: Not listed

Regulations on labor protection in workplaces where toxic substances are used:

List of highly toxic substances: Not listed

Environmental management measures for new chemical substances:

List of existing chemical substances in China: All ingredients listed

Regulations on the management of ozone depleting substances:

List of controlled ozone depleting substances in China: Not listed

Rotterdam Convention (Annex III): Not listed

Interim Provisions on supervision and management of major hazard installations of hazardous chemicals:

Gb18218 identification of major hazard installations of hazardous chemicals: Not listed

16. Other information

The product information and relevant data provided by this MSDS are from current reliable resources and have been carefully corrected, but no commitment and guarantee are made for this. It is the user's responsibility to conduct necessary safety, loss and hazard assessment before using this product. This information is intended to provide users with reference to relevant basic data information. Please be sure to test its applicability. If you have other needs, please consult us or ask relevant departments for help.