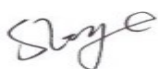


MSDS Report

Prepared For :	Shenzhen JC Intelligent Accessories Trading Co., Ltd. Room 401, Building 2, IOT Industrial Park, 4012 Wuhe Blvd, Bantian Street, Longgang District, Shenzhen, China
Product Name:	Tough Process Adhesive
Model:	TP-030B, TP-030T, TP-010B, TP-010T
Trade Mark:	/
Prepared By :	Shenzhen SHT Testing Technology Co., Ltd. Huifeng Building, No. 6006, Longgang Avenue, Longgang District, Shenzhen
Date of Report :	Jan. 15, 2025
Report No.:	SHT2501003R

Checked by:



Approved by:



Date:

2025-01-15

Material Safety Data Sheet

Section 1- Chemical Product & Company Identification

Product Name: Tough Process Adhesive
Manufacture: Shenzhen JC Intelligent Accessories Trading Co., Ltd.
Address: Room 401, Building 2, IOT Industrial Park, 4012 Wuhe Blvd, Bantian Street, Longgang District, Shenzhen, China
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Section 2- Hazards Identification

Primary Route(s) of Exposure Inhalation, Ingestion, skin contact, Eyes contact
Health hazard Harmful if swallowed, Harmful if inhaled
Environmental hazards Please refer to 12th chapter of MSDS
Combustion hazard Not-Flammable

Section 3- Composition/Information on Ingredients

Mixture

Chemical Name	Wt %	CAS No.	EC No.
Vinyltrimethoxysilane	35	2768-02-7	220-449-8
Nano calcium carbonate	30	--	--
Isobornyl acrylate	23	5888-33-5	227-561-6
Photoinitiator (2,2-Dimethoxy-2-phenylacetophenone)	7	24650-42-8	246-386-6
Fluorescence indicator (2,2'-(1,2-Ethenediyl-di-4,1-phenylene) bisbenzoxazole)	5	1533-45-5	216-245-3

Section 4- First Aid Measures

Skin contact:	Take off immediately all contaminated clothing. Wash off with soap and plenty of water. Call a physician if irritation develops or persists
Eyes contact:	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician if irritation develops or persists
Inhalation:	If feeling uncomfortable, move to fresh air. Seek medical attention for discomfort or if coughing.
Ingestion:	No ingestion, if accidentally ingested, Do not induce vomiting. Never give anything by mouth to an unconscious person. Immediately call consult a physician if feeling uncomfortable.

Section 5- Fire Fighting Measures

Suitable extinguishing media	Use extinguishing media suitable for surrounding area
Other information:	
1	In any fire, self-contained breathing apparatus (MSHA/NIOSH certified or equivalent) and full protective gear should be worn
2	Fight fire from a safe distance with adequate cover
3	Prevent fire water from contaminating surface water or groundwater systems

Section 6- Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- 1 Ensure adequate ventilation. Remove all sources of ignition.
- 2 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak
- 3 Avoid breathing vapours, mist, gas or dust.
- 4 Avoid contact with skin, eyes
- 5 Use personal protective equipment (SEE SECTION 8).

Environmental precautions

- 1 For safety, prevent further leakage or spillage
- 2 Discharge into the environment must be avoided

Methods and materials for containment and cleaning up

- 1 Collect material using clean, non-sparking tools
- 2 Collect spilled contaminants in sealable containers as much as possible.
It is forbidden to rush into the sewer.
- 3 The collected material should be processed in a timely manner according to the appropriate laws and regulations

Section 7- Handling and Storage

Precautions for handling

- 1 Operators should be specially trained and strictly abide by the operating procedures.
- 2 Ensure good ventilation/exhaustion at the workplace
- 3 Wear suitable protective equipment
- 4 Keep away from heat/sparks/open flames/ hot surfaces
- 5 Avoid contact with skin, eyes
- 6 Avoid breathing vapours, mist, gas or dust

Precautions for storage

- 1 Keep in a health, dry, cool and well-ventilated place, Keep containers sealed
- 2 Keep away from heat/sparks/open flames/hot surfaces
- 3 Keep this product out of reach of children.
- 4 Store away from incompatible materials and foodstuff containers
- 5 Storage area should be equipped with emergency treatment equipment and suitable for resettlement material

Section 8 - Exposure Controls/Personal Protection

**Occupational Exposure
limit values**

No information available

Engineering controls:

- 1 Ensure adequate ventilation, especially in confined areas
- 2 Ensure eyewash and safety showers are located close to workstations
- 3 Set up emergency evacuation channels and necessary escape areas
- 4 Handle in accordance with good industrial hygiene and safety practice

Eye protection

Tightly sealed goggles

Hand protection

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

Respiratory protection

Special protection is generally not required, but it is recommended to wear a self-priming filter dust mask in special circumstances

Skin and body protection

Wear work protective clothing

Other protections:

- 1 Qualified protective equipment should be used and checked for damage before use, and updated at any time
- 2 Wash ... thoroughly after handling
- 3 No smoking, dining and drinking water in the workplace. Keep good habit of hygiene

Section 9- Physical and Chemical Properties

Appearance:	Glue
Melting Point (°C):	No information available
Boiling Point (°C):	No information available
Relative density (Water=1):	No information available
Steam density (Air=1):	No information available

Saturated vapor pressure (kPa, 20°C):	No information available
Partition coefficient (n-octanol / water):	No information available
Upper explosive limit %(V/V):	No information available
Lower explosive limit %(V/V):	No information available
Solubility(mg/L)	Insoluble in water

Section 10 – Stability and Reactivity

Chemical stability:	Stable under proper operation and storage conditions
Incompatible materials:	Strong acids, Strong bases, Strong oxidizing agents.
Conditions to Avoid:	heat, sparks, open flames, hot surfaces, Incompatible materials
Hazardous Polymerization:	No further relevant information available
Hazardous Decomposition:	No further relevant information available
Products:	

Section 11 – Toxicological Information

Acute toxicity:	No information available
Sub-acute and Chronic Toxicity:	No information available
Irritation:	No information available
Sensitization:	No information available
Mutagenicity:	No information available
Carcinogenicity:	No information available

Section 12 – Ecological Information

Eco-toxicity:	No further relevant information available
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Biodegradable:	No further relevant information available
Non-biodegradable:	No further relevant information available
Bioconcentration of biological accumulation:	No further relevant information available
Other harmful effects:	No further relevant information available

Section 13 – Disposal Considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation.
Contaminated packaging Disposal recommendations	Dispose of residues/containers in containers according to local / regional / national / international regulations
1	Before disposal should refer to the relevant national and local laws and regulation
2	Looking for professional waste recyclers
3	Entrusted by a nationally qualified waste disposal company for processing
4	Reference to relevant regulations

Section 14 – Transport Information

Packaging Method:	Pack as recommended by the manufacture.
Transport Attentions:	Please check if the packaging is intact, sealing ahead of transportation, to ensure that the package does not leak during the process of transportation, besides, no fall, no damag
1	
2	It is strictly forbidden to mix and transport with oxidants and food chemicals
3	During transportation, it should be protected from direct sunlight, rain and high temperature
4	Transport vehicles should be equipped with the corresponding variety and quantity of fire fighting equipment and spill emergency treatment equipment

Section 15 – Regulatory Information

Regulatory Information

Regulation (EC) No 1272/2008 Substance and Mixture classification, labeling, and packaging, regulations; IMDG Code

Section 16 – Additional Information

Information on revision

Creation Date 2025-01-15

Version 1.0

Other Information

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

*****End of report*****