



深圳市乐图技术有限公司
SHENZHEN LOPO TECHNOLOGY CO.,LTD.

Material Safety Data Sheet (MSDS)

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1 Identification of the Chemical (substance or preparation)

Polyurethane

1.2 Use of the Chemical

Hot press bonding

1.3 Company Information

Company name	Shenzhen LOPO Technology Co.,Ltd.	
Address	Room 401,Building 7,Winlead Smart Park,No. 7 Changfa Middle Road, Bantian street,Pingshan District, Shenzhen City Guangdong Province C	
zip code	518122	
Country	China	
Telephone	0755-89960067	
Fax	0755-89960061	
E-Mail (person responsible for MSDS)	qa@tunsing.com.cn	
F-Date of latest version MSDS	2022-01-07	

1.4 Emergency Telephone

In case of an emergency, please contact: 18126266189

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 General Chemical Description

White powder, with thermoplastic can be re-heated plasticized bonding.

2.2 Base Substances of Preparation

components	CAS-No.
Polyurethane	9009-54-5

SECTION 3. HAZARD IDENTIFICATION

3.1 Health Effects

Non-hazardous at room temperature, non-hazardous to health

3.2 Environmental Impact

No effect

3.3 Physical and Chemical Hazards

No harm at normal temperature, high temperature molten beware of burns

3.4 Special Hazards

No

3.5 Declaration of Ingredients according to EC 1907/2006(REACH Regulation) (If necessary)

<i>Hazardous components</i>	<i>EC-No.</i>	<i>CAS-No.</i>	<i>Classification</i>
None	None	None	None

SECTION 4. FIRST AID MEASURES

4.1 General Information

Exposure Route	Specific First Aid Measures
Eye contact	Rinse with plenty of water and seek medical attention immediately.
Ingestion	Discharged immediately induce vomiting and immediately seek medical attention.
Skin contact	No harm at room temperature, If discomfort, wash with soap or water. If the molten state at a high temperature and exposure to the substance is used to cool the ice or flowing water, and timely medical treatment.

4.2 Advice to Doctor

None

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Suitable Fire-fighting Equipment

	Suitable	Unsuitable
Fire fighting equipment	Small fires: dry powder fire extinguishers, carbon dioxide fire extinguishers, foam fire extinguishers. Big fires: spray, fog or regular foam fire extinguishers.	Do not use direct current fire extinguishers.

5.2 Dangerous Decomposition Products:

Decomposition Non-toxic fumes under fire conditions(Due to different personal physical condition, may produce discomfort)

5.3 Additional Information for Firefighters

Firefighters should wear positive pressure self-contained breathing apparatus, it should be equipped with protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1 Personal Precautions**

No harm at normal temperature, high temperature molten beware of burns

6.2 Environmental Precautions

Prevent the inflow pipes or ditches

6.3 Methods for cleaning up/taking up

After heating alcohol scrub

SECTION 7. HANDLING AND STORAGE**7.1 Handling**

(1) Workplace

Require the installation of local ventilation equipment.

(2) Worker

As the case may be, to wear protective masks, eye, gloves.

7.2 Storage

1.The temperature is 20-30°C, the humidity is 45-55%, there is no ultraviolet light, and it is protected from light (light protection includes light and natural light) to avoid long-term contact with the air.

2. Polyurethane hot melt adhesive powder is easy to cause agglomeration under high temperature and pressure. Agglomeration is found during use, and it is filtered through a screen mesh.

3.The stacking strength of materials should not be too large, and the stacking height should be moderate.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Exposure Limit Values**

Not specified

8.2 Exposure Controls

Occupational exposure controls

(a) Respiratory protection

Not applicable

(b) Hand protection

Heating process using gloves for protection
 (c) Eye protection
 Not applicable
 (d) Skin protection
 Not applicable
Environmental exposure controls

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General Information

Appearance : Powder
 Odour: tasteless
 Colour: White

9.2 Important Health, Safety and Environmental Information

Acidity/pH	Not applicable
Boiling point/boiling range	Not applicable
Flash point	Uncertain
Flammability (solid, gas)	It will not cause a fire.
Explosive properties	No explosive
Relative density(Water=1)	$1.20 \pm 0.02 \text{g/cm}^3$
Hardness	80 ± 3 Shore A
Solubility	Not applicable
Water solubility	Insoluble
Melt Point	95°C–115°C
Vapor Pressure	Undetermined
Vapor Density (Air = 1)	Not applicable

SECTION 10. STABILITY AND REACTIVITY

10.1 Conditions to Avoid

Do not put wet or in direct sunlight

10.2 Materials to Avoid

Sunlight, Water, Fire

10.3 Hazardous Decomposition Products

None

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	None	Irritability	None
Acute dermal toxicity	None	Carcinogenicity	None

Acute inhalation toxicity	None	Teratogenicity	None
Skin irritation	None	Reproduction toxicity	None
Eye stimulation	None	Cumulative toxicity	None

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

This product does not harm the environment.

12.2 Fluidity

30±7g/10min (ASTM D1238-04)

12.3 Persistence and Degradability

None

12.4 Bioaccumulative Potential

None

12.5 Other Adverse Effects

None

SECTION 13. DISPOSAL CONSIDERATIONS

It can be regarded as non-toxic plastic waste, can be recycled or discarded according to local government laws.

SECTION 14. TRANSPORT INFORMATION

14.1 Classification According to ADR

Not specified

14.2 Classification According to IMDG

Not specified

14.3 Classification According to IATA

Not specified

SECTION 15. REGULATORY INFORMATION

15.1 Applicable Regulations

No reference material

SECTION 16. OTHER INFORMATION

16.1 References

None

16.2 Tabulation unit

(1) Company

Shenzhen Tunsing Plastic Products Co.,Ltd

(2) Address / phone

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Longtian street, Pingshan District, Shenzhen City, Guangdong Province, China.

Tel: 0755-89960067

Fax: 0755-89960061

(3) Lister

Title: Quality Assurance Name:Yudan

(4) Date of Tabling

2007/03/27

(5) Modified Date

2022/01/07

16.3 Other instructions

*Tunsing believes the information supplied are reliable, but does not guarantee that any results shown or claimed will be obtained. Before using the user shall determine the suitability and fitness of the product for its intended use. The user assumes all risks and liability whatever in connection with its own tests and use. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use, misuse or inability to use the product.