XL101-W7034

1. MANUFACTURER

1.1 Company : **Yan Tai E.S.T silicone technology Co.Ltd**
1.2 Address : **No.89, Huanhai-road,Yantai City, Shandongsheng,china**
1.3 In case of Emergency : ☎ 86 - 535 - 680 - 0066
1.4 Contact : Quality Assurance Dept.

2. INFORMATION ON INGREDIENTS

1.1 Product Name : XL101-W7034
1.2 Product Type : Liquid silicone adhesive
1.3 Single or Compound : Compound
1.4 Application : Printing ink for keypad application
1.5 Chemical nature:
Vinly-fuction polydimethysiloxane with cross linker and filler.

3. HAZARDS IDENTIFICATION

3.1 Overall Hazard Classification:

3.2 Hazard Information: May cause sensitization by skin contact.
Avoid contact with skin and eyes.
Wear suitable gloves.
Use only in well-ventilated areas.

3.3 Route of Exposure: Skin Contact and Accidental Ingestion.

3.4 Possible Health Effects:

Acute

Eyes: Direct contact may cause mild irritation.
Skin: May cause moderate irritation.
Inhalation: Irritates respiratory passages very slightly. Vapor overexposure may cause drowsiness.
Ingestion: Low ingestion hazard in normal use. Overexposure by ingestion may cause drowsiness, dizziness, confusion or loss of coordination.

Chronic

Skin: Repeated or prolonged exposure may irritate seriously. Repeated skin contact may cause allergic skin reaction.
Inhalation: Overexposure by inhalation may injure the following organ(s): Blood. Liver.
Ingestion: Repeated ingestion or swallowing large amounts may injure internally.

3.5 Signs and Symptoms of Overexposure: May cause allergic reaction to skin after skin contact.

4. FIRST AID MEASURES

4.1	**Eyes:**	Immediately flush with water for 15 minutes.
4.2	**Skin:**	Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or ill effects develop or persist.
4.3	**Inhalation:**	Remove to fresh air. Get medical attention if ill effects persist.
4.4	**Ingestion:**	Get medical attention.
4.5	**Comments:**	Treat according to person's condition and specifics of exposure.
4.6	**Note to physicians:**	Treat symptomatically. For further information, the medical practitioner should contact Yan Tai E.S.T silicone technology Co.Ltd

5. FIRE FIGHTING MEASURES

5.1	**Flammability:**	Non-flammable.
5.2	**Flash Point:**	Not applicable.
5.3	**Autoignition temperature:**	Not determined.
5.4	**Lower Flammability Limit:**	Not determined.
5.5	**Upper Flammability Limit:**	Not determined.
5.6	**Hazardous Properties:**	None.
5.7	**Extinguishing Media:**	On large fires use dry chemical or foam. On small fires use CO2 or dry chemical. Water can be used to cool fire exposed containers.
5.8	**Special Fire Fighting Procedures and Equipment:**	Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.
5.9	**Hazardous Combustion Products:**	Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Nitrogen oxides. Metal oxides. Formaldehyde.
5.10	**Unsuitable Extinguishing Media:**	Water. Do not allow extinguishing medium to contact container contents.

6. ACCIDENTAL RELEASE MEASURES

6.1	**Personal Precautions:**	Avoid skin and eye contact. Avoid breathing vapor. Keep container closed. Do not take internally.
6.2	**Environmental Precautions:**	Do not allow large quantities to enter drains or surface waters.
6.3	**Methods for Cleaning up:**	Observe all personal protective equipment recommendations described in this MSDS. If diked material can be pumped, store recovered material in appropriate container. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which laws and regulations are applicable.

7. HANDLING AND STORAGE

7.1 Storage Conditions: Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture.

7.2 Unsuitable Packaging Materials: None established.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Engineering Controls

Local Ventilation: Recommended.

General Ventilation: Recommended.

8.2 Personal Protective Equipment for Routine Handling

Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.

Suitable Respirator: Organic Vapor Type.

Eye protection: Use proper protection - safety glasses as a minimum.

Hand protection: Butyl Rubber. Natural Rubber. Neoprene Rubber(R). Nitrile Rubber.

Skin protection: Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

Hygiene Measures: Remove contaminated clothing immediately. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

8.3 Personal Protective Equipment for Spills

Respiratory protection: Use self-contained breathing apparatus (SCBA) or other supplied-air respirator.

Eye protection: Use full face respirator.

Skin protection: Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

Precautionary Measures: Avoid skin and eye contact. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.

Comments: Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control methyl ethyl ketoxime (MEKO) within exposure guidelines or use respiratory protection. Product evolves flammable methyl alcohol when exposed to water or humid air. Provide ventilation during use to control methyl alcohol exposures within exposure guidelines or use air-supplied or self-contained breathing apparatus.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	**Physical Form:**	Paste
9.2	**Color:**	Colorless
9.3	**Odor:**	Some odor
9.4	**pH:**	Not determined.
9.5	**Solubility in Water:**	Not determined.
9.6	**Boiling Point:**	Not determined.
9.7	**Melting Point:**	Not determined.
9.8	**Flash Point:**	Not applicable.
9.9	**Autoignition temperature:**	Not determined.
9.10	**Explosive properties:**	No
9.11	**Oxidizing properties:**	No
9.12	**Vapor Pressure @ 25°C:**	Not determined.
9.13	**Specific Gravity:**	1.04
9.14	**Octanol/water partition coefficient:**	Not determined.
9.15	**Vapour Density (air=1):**	Not determined.
9.16	**Viscosity:**	Not determined.
9.17	**Molecular Weight:**	Not determined.

The above information is not intended for use in preparing product specifications. Contact EST before writing specifications.

10. STABILITY AND REACTIVITY

10.1 **Stability:** Stable.

10.2 **Reactivity**

Conditions to Avoid:	None.
Materials to Avoid:	Can react with strong oxidising agents. Water, moisture or humid air can cause hazardous vapors to form.
Hazardous Decomposition Products:	Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Nitrogen oxides. Metal oxides. Formaldehyde.
Hazardous Polymerization:	Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

11.1 **Possible Health Effects:** Refer to Section 3.4

11.2 **Carcinogenic Effects:** None known.

12. ECOLOGICAL INFORMATION

12.1 **Environmental Fate and Distribution:**

Solid material, insoluble in water. No adverse effects are predicted.

12.2 **Environmental Effects:**

No adverse effects on aquatic organisms are predicted.

Bioaccumulation: No bioaccumulation potential.

12.3 **Fate and Effects in Waste Water Treatment Plants:**

No adverse effects on bacteria are predicted.

13. DISPOSAL CONSIDERATIONS

13.1 Product Disposal: Dispose of in accordance with local regulations.

13.2 Packaging Disposal: Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

14.1 Sea transport (IMDG):

Not subject to IMDG code.

14.2 Transportation Precautions:

Transport in accordance with the relevant regulations. Refer to section 7.2 for further information on transportation requirements. Refer to section 6 for the safety measures to be taken in the event of accidental release.

14.3 Other International Transportation Regulations

Air Transport (IATA-DGR)

Not subject to IATA regulations.

15. REGULATORY INFORMATION

15.1 Applicable Laws:

Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace, particularly those relating to the safe use, production, storage and transportation of dangerous chemicals.

15.2 Chemical Inventories:

EINECS:	Not determined.
TSCA:	All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
AICS:	All ingredients listed or exempt.
IECSC:	All ingredients listed or exempt.
KECL:	One or more ingredients are not listed or exempt or identified.
PICCS:	All ingredients listed or exempt.
DSL:	Consult your local Dow Corning office.
MITI:	Not determined.

16. OTHER INFORMATION

Contact Point:	Technical Information Center (86)0535-6800066
Prepared by:	Yan Tai E.S.T silicone technology Co.Ltd

This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or impl hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.