

# **SDS Service Summary**

No.: SHAHL25000547301 Date: 16 Jan 2025 Page 1 of 1

SGS Job No. Applicant Product Name	:	SHHL2501001313SD; CZHL2501000099SD ZHENJIANG HANGTAIXINCAILIAO KEJI CO.,LTD Anaerobic adhesive(Liquid Tape)
Composition/Ingredient of product (as per applicant submission)	:	See section 3 Composition/information on ingredients on the SDS
Job Receiving Date	:	08 Jan 2025
Last Information Date	:	14 Jan 2025
SDS Preparation Period	:	08 Jan 2025-15 Jan 2025
Service Requested	:	Preparation of Safety Data Sheet (SDS) for the product with submitted information, with calculation of the classification and labeling requirement according to the submitted composition and European Commission Regulation (EC) No 1272/2008.
Summary	:	As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2020/878, and is provided per attached.

#### Disclaimer

This Safety Data Sheet (SDS) is provided to applicant to fulfill European Commission Regulation (EC) No 1907/2006 and communicate the hazard information of chemicals through the supply chain to ensure safe use. It is not a test report or a certificate ensuring the safety of a product.

SGS has consolidated product information based on documents provided by Applicant (i.e. product name, the supplier details, product composition, available physical data, etc) without independent verification from SGS. The information is provided without any warranty, express or implied, regarding its correctness.

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Echo Cai Project Engineer

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### Version number 1

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

· 1.1 Product identifier

• Trade name: Anaerobic adhesive (Liquid Tape)

- 1.2 Relevant identified uses of the substance or mixture and uses advised against • Application of the substance / the mixture: Thread locking and sealing
- 1.3 Details of the supplier of the safety data sheet
  Manufacturer/Supplier: ZHENJIANG HANGTAIXINCAILIAO KEJI CO.,LTD No. 21-13, Xingxi Road, Dagang, Zhenjiang New Area Tel: 13805297749
  E-mail: spring058@qq.com
- · Only Representative/ other EU contact point: Not available
- 1.4 Emergency telephone number: IRELAND
   National Poisons Information Centre
   Tel: +353 (01) 809 2566 (For healthcare professionals) +353 (01) 809 2166 (For public; 8am - 10pm)

· 1.5 Reference Number: SHHL2501001313SD; CZHL2501000099SD; SHAHL25000547301

#### **SECTION 2: Hazards identification**

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

GHS07

· · · · · · · · · · · · · · · · · · ·	
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
STOT SE 3	H335 May cause respiratory irritation.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting affects

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- Information concerning particular hazards for human and environment:
- *The product has to be labelled due to the calculation procedure of Regulation (EC) No. 1272/2008.* • *Classification system:*

The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.

· 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
 The product is classified and labelled according to the CLP regulation.
 Hazard pictograms



· Signal word Warning

• *Hazard-determining components of labelling:* (1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)]diacrylate 2-(2-methylprop-2-enoyloxy)ethyl 2-methylprop-2-enoate methacrylic acid, monoester with propane-1,2-diol AMORPHOUS SILICA

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Safety data sheet Regulation (EC) No.1907/2006 and No.1272/2008

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Trade name: Anaerobic adhesive (Liquid Tape)

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Hazard stateme	ents
H315 Causes sk	kin irritation.
H319 Causes se	erious eye irritation.
H317 May caus	e an allergic skin reaction.
H335 May caus	e respiratory irritation.
H412 Harmful	to aquatic life with long lasting effects.
Precautionary :	statements
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves / eye protection / face protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
<i>P305+P351+P</i> .	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · **vPvB:** Not applicable.

· Determination of endocrine-disrupting properties Not applicable

## **SECTION 3: Composition/information on ingredients**

#### · 3.2 Mixtures

· Description:

Mixture of the substances listed below with nonhazardous additions. For the wording of the listed hazard statements refer to Section 16.

· Composition:		
CAS: 4687-94-9 EINECS: 225-144-3	(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1- propanediyl)]diacrylate	40.0%
	0 Skin Sens. 1, H317 substance with a Union workplace exposure limit	
CAS: 25852-47-5	2-(2-methylprop-2-enoyloxy)ethyl 2-methylprop-2-enoate	37.16%
CAS: 27813-02-1 EINECS: 248-666-3	methacrylic acid, monoester with propane-1,2-diol 🚯 Eye Irrit. 2, H319; Skin Sens. 1, H317	10.9%
CAS: 80-15-9 EINECS: 201-254-7 Index number: 617-002-00-8	↑ Acute Tox. 4, H302; Acute Tox. 4, H312 Specific concentration limits: Skin Corr. 1B; H314: $C \ge 10$ % Skin Irrit. 2; H315: 3 % ≤ C < 10 % Eye Dam. 1; H318: $C \ge 3$ % Eye Irrit. 2; H319: 1 % ≤ C < 3 % STOT SE 3; H335: C < 10 % substance with a Union workplace exposure limit	2.5%
CAS: 112945-52-5	AMORPHOUS SILICA Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 substance with a Union workplace exposure limit	2.5%
CAS: 139-33-3 EINECS: 205-358-3	Disodium dihydrogen ethylenediaminetetraacetate § STOT RE 2, H373;  	0.4%
CAS: 114-83-0 EINECS: 204-055-3	2'-phenylacetohydrazide Acute Tox. 3, H301	0.14%

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The safety data sheet (SDS) is created in accordance with the provided chemical composition. The ingredient information of product is confidential as a trade secret. Details on the chemical composition of the formulation can be provided from the formulation owner and/or the chemical supplier(s) upon request.

(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] diacrylate (CAS No.4687-94-9) Synonym: Vinylester of bis-phenol

## **SECTION 4: First aid measures**

- · 4.1 Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- After inhalation:
- Supply fresh air and to be sure call for a doctor.
- In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact:

Immediately wash with water and soap and rinse thoroughly.

- If skin irritation continues, consult a doctor.
- · After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• After swallowing:

Rinse out mouth with water. Never give anything by mouth to an unconscious person. Seek medical treatment.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** *No further relevant information available.*

## **SECTION 5: Firefighting measures**

- · 5.1 Extinguishing media
- · Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

• 5.2 Special hazards arising from the substance or mixture No further relevant information available.

- · 5.3 Advice for firefighters
- · Protective equipment:
- Wear fully protective suit.

Mouth respiratory protective device.

## **SECTION 6:** Accidental release measures

 $\cdot$  6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes. Avoid contact with skin. Ensure adequate ventilation. Use respiratory protective device against the effects of fumes/dust/aerosol.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

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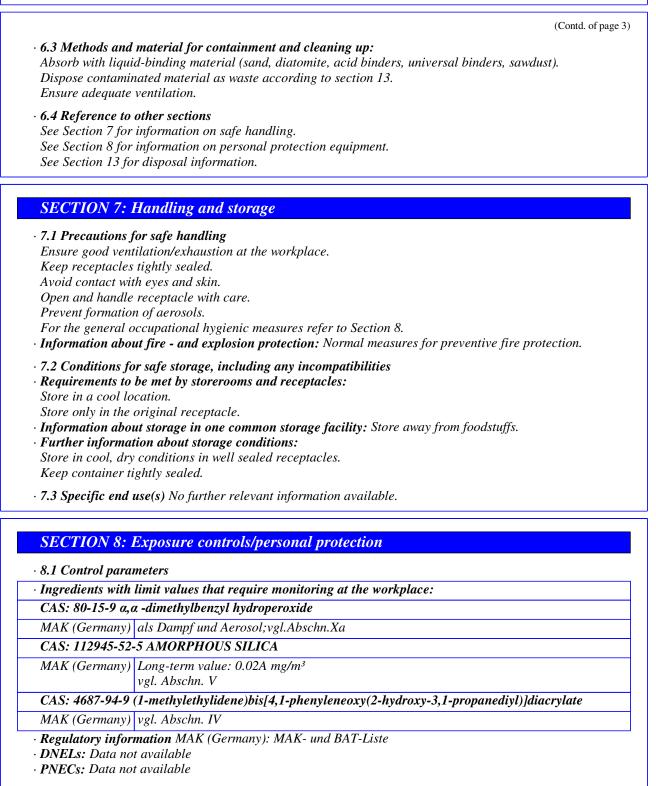
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• Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

- · Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure
- · Appropriate engineering controls

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

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Avoid contact with the eyes and skin. See Section 7 for information about design of technical facilities.

#### · Individual protection measures, such as personal protective equipment

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· 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 cannot 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.

· Eye/face protection



Tightly sealed goggles

- · Body protection: Protective work clothing
- · Thermal hazards: Not required for normal conditions of use.
- · Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

## **SECTION 9: Physical and chemical properties**

• 9.1 Information on basic physical and chemical p	properties
· Physical state	Liquid
· Colour:	Fuchsia
· Odour:	Slightly smelly
· Odour threshold:	Data not available
• Melting point/freezing point:	Data not available
· Boiling point or initial boiling point and boiling	
range	Data not available
· Flammability	Data not available
· Lower and upper explosion limit	
· Lower:	Data not available
· Upper:	Data not available
· Flash point:	Data not available
• Auto-ignition temperature:	Data not available
• Decomposition temperature:	Data not available
· pH	Data not available
· Viscosity:	
· Kinematic viscosity	Data not available
· Dynamic viscosity:	Data not available

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Solubility	
water:	Data not available
Partition coefficient n-octanol/water (log value)	Data not available
Vapour pressure:	Data not available
Density and/or relative density	
Density:	Data not available
Relative density:	Data not available
Relative vapour density:	Data not available
Particle characteristics:	Not applicable
9.2 Other information	
Appearance:	
Form:	Liquid Paste
Information with regard to physical hazard classe	8
Explosives	Not applicable
Flammable gases	Not applicable
Aerosols	Not applicable
Oxidising gases	Not applicable
Gases under pressure	Not applicable
Flammable liquids	<i>Not applicable</i>
Flammable solids	Not applicable
Self-reactive substances and mixtures	Not applicable
Pyrophoric liquids	Not applicable
Pyrophoric solids	Not applicable
Self-heating substances and mixtures	Not applicable
Substances and mixtures, which emit flammable	* *
gases in contact with water	Not applicable
Oxidising liquids	<i>Not applicable</i>
Oxidising solids	Not applicable
Organic peroxides	Not applicable
Corrosive to metals	Not applicable
Desensitised explosives	Not applicable
Other safety characteristics	Data not available

### **SECTION 10: Stability and reactivity**

· 10.1 Reactivity: No decomposition if used according to specifications.

- · 10.2 Chemical stability: Stable under recommended storage conditions.
- · 10.3 Possibility of hazardous reactions: No dangerous reactions known.
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

### **SECTION 11: Toxicological information**

- $\cdot$  11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity Based on available data, the classification criteria are not met.

	· LD/LC50 values relevant for classification: CAS: 80-15-9 a, a -dimethylbenzyl hydroperoxide	
Oral	LD50	382 mg/kg (rat)
Dermal	LD50	500 mg/kg (rat)
	•	

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Inhalative LC50/4	/4 h 220 mg/l (rat)	
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CAS: 112945-52-5 AMORPHOUS SILICA

*Oral LD50 3,160 mg/kg (rat)* 

CAS: 114-83-0 2'-phenylacetohydrazide Oral LD50 270 mg/kg (mouse)

• Skin corrosion/irritation Causes skin irritation.

- Serious eye damage/irritation Causes serious eye irritation.
- Respiratory or skin sensitisation May cause an allergic skin reaction.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- *Reproductive toxicity Based on available data, the classification criteria are not met.*
- STOT-single exposure May cause respiratory irritation.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- $\cdot$  Aspiration hazard Based on available data, the classification criteria are not met.

· 11.2 Information on other hazards

• Endocrine disrupting properties

None of the ingredients is listed.

• Other information No further relevat information available.

### **SECTION 12: Ecological information**

· 12.1 Toxicity

- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- *PBT:* Not applicable.
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- · 12.7 Other adverse effects No further relevant information available.

#### **SECTION 13: Disposal considerations**

- · 13.1 Waste treatment methods
- · Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information		
· 14.1 UN number or ID number · ADR/RID/ADN, IMDG, IATA	Not applicable	
· 14.2 UN proper shipping name · ADR/RID/ADN, IMDG, IATA	Not applicable	
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· 14.3 Transport hazard class(es)	
· ADR/RID/ADN, IMDG, IATA	
· Class	Not applicable
· Label	Not applicable
· 14.4 Packing group · ADR/RID/ADN, IMDG, IATA	Not applicable
· 14.5 Environmental hazards	
· Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable
· 14.7 Maritime transport in bulk according	to IMO
instruments	Not applicable
· 14.8 Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Not applicable

### **SECTION 15: Regulatory information**

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.

· REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

· Regulation (EU) No 649/2012

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

• Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· REGULATION (EU) 2024/590 on substances that deplete the ozone layer

None of the ingredients is listed.

 $\cdot$  Other regulations, limitations and prohibitive regulations

· SVHC Candidate List of REACH Regulation Annex XIV Authorisation (7/11/2024)

None of the ingredients is listed.

• REACH Regulation Annex XVII Restriction ((19/9/2024) See Section 16 for information about restriction of use.

None of the ingredients is listed.

· REACH Regulation Annex XIV Authorisation List (13/11/2023)

None of the ingredients is listed.

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· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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#### **SECTION 16: Other information**

· Relevant hazard statements H242 Heating may cause a fire. H301 Toxic if swallowed. H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H332 Harmful if inhaled. H335 May cause respiratory irritation. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects. · Classification according to Regulation (EC) No 1272/2008 Skin corrosion/irritation The classification of the mixture is generally based on the calculation method using substance data Serious eye damage/irritation

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2020/878.

#### DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

#### • Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Org. Perox. E: Organic peroxides - Type E/F Acute Tox. 4: Acute toxicity - Category 4 Acute Tox. 3: Acute toxicity – Category 3 Skin Corr. 1B: Skin corrosion/irritation - Category 1B Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Skin Sens. 1: Skin sensitisation – Category 1

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Trade name: Anaerobic adhesive (Liquid Tape) (Contd. of page 9) STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3 End of document

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