



Safety Data Sheet according to GB/T 16483-2008

HYSOL KL-G 100S series

SDS No. :
2184504
V001.2

Revision: 30th,Mar.,2022

1. Identification of the substance/preparation and of the company/undertaking

Product name: HYSOL KL-G 100S series

Intended use: Epoxy Molding Compound

Manufacturer:

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2. Hazards identification

Classification of the substance or mixture according to GB 13690-2009 (General rule for classification and hazard communication of chemicals):

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Route of Exposure</u>
Skin sensitizer	Category 1A	Skin contact

Label elements according to GB 15258-2009 (General rules for preparation of precautionary label for chemicals):

Hazard pictogram:



Signal word: Warning

Hazard statement: H317 May cause an allergic skin reaction.

Prevention: P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response: P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P370+P378 In case of fire: Use CO₂, dry chemical, or foam for extinction.

Storage: P403+P235 Store in a well-ventilated place. Keep cool.
P410 Protect from sunlight.

Disposal: P501 Dispose of contents/container according to SDS section 13.

3. Composition / information on ingredients

General description: Mixture
Declaration of the ingredients according to GB 13690-2009:

Hazard component CAS-No.	Content	GHS Classification
Silicon Dioxide 60676-86-0	70-90%	
Formaldehyde, polymer with (chloromethyl)oxirane and 2-methylphenol 29690-82-2	1- 10 %	
Phenol-formaldehyde polymer 9003-35-4	1- 10 %	Serious eye damage/eye irritation 2A H319 Skin sensitizer 1 H317 Specific target organ toxicity - single exposure 3 H335
Carbon black 1333-86-4	0.1- 1 %	

4. First aid measures

Skin contact: Rinse with running water and soap.
Seek medical advice.

Eye contact: Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remains (intensive smarting, sensivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.
Seek medical advice.

Inhalation: Move to fresh air. If symptoms persist, seek medical advice.
Seek medical advice.

Ingestion: Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

5. Fire fighting measures

Hazardous characteristics: Non combustibile - Danger of decomposition if exposed to heat.

Hazardous combustion products: Oxides of carbon.
Irritating organic vapours.

Extinguishing media: Water spray (fog), foam, dry chemical or carbon dioxide.

Notice and measures for firing fighting: If mixed with air in sufficient amounts and proportions, organic dusts can form flammable or explosive dust/air mixtures.
Do not breathe combustion gases.
Wear self-contained breathing apparatus.

6. Accidental release measures

Emergency measures: Keep away from sources of ignition and naked flames.
Ensure adequate ventilation.
Do not let product enter drains.
Avoid dust formation.
Depending on workplace dust concentration, wear dust filter mask with particle filter P1, P2 or P3.
Wear protective equipment.

Clean-up methods: Remove all sources of ignition.
Ensure adequate ventilation.
Remove mechanically.
Sweep up spilled material. Avoid creating dust.

7. Handling and storage

Notice for handling: Avoid naked flames, sparking and sources of ignition.
Avoid dust development and deposition - dust explosion risk. Take precautionary measures against static discharges.
Avoid dust formation.
Use only with adequate ventilation.
Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling.

Notice for storage: Keep away from heat and direct sunlight.
Store in a cool, well-ventilated place.

8. Exposure controls / personal protection

Hazardous components	GBZ 2.1-2007	ACGIH	NIOSH	OSHA
Silicon dioxide	5 mg/m ³ TWA	none		none
Carbon black	4 mg/m ³ TWA	3 mg/m ³ TWA		none

Engineering controls: Avoid naked flames, sparking and sources of ignition.
Thorough dedusting.
In use may form flammable/explosive dust-air mixtures.
Ensure good ventilation/suction at the workplace.

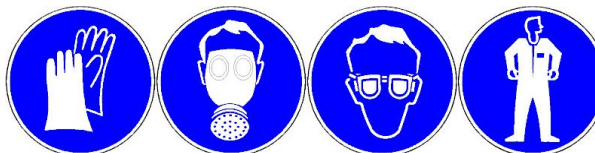
Respiratory protection: Do not inhale dust.
In case of insufficient ventilation, wear suitable respiratory equipment.

Eye protection: Protective goggles
Avoid eye contact.

Body protection: Wear suitable protective clothing.
Protective clothing that covers arms and legs.

Hand protection: Avoid skin-contact.
Wear refractive gloves while working with the hot melt.

Pictograms for recommended PPE:



9. Physical and chemical properties

Physical state:	solid material	Appearance:	black granules, tablet
pH:	Not available.	Melting point:	> 60.0 °C (> 140 °F)
Boiling point:	Polymerization may occur at elevated temperature.	Density:	1.8 - 2.1g/cm ³
Vapor density:	Not available.	Vapor pressure:	Not available.
Flash point:	Not applicable	Ignition temperature:	> 500.0 °C (> 932 °F)
Solubility in water	Not miscible or difficult to mix	Viscosity:	Not available.

10. Stability and reactivity

Stability:	Stable under normal conditions of storage and use.
Conditions to avoid:	Danger of decomposition if exposed to heat. Danger of dust explosions. Take measures to prevent the build-up of electrostatic charges.
Incompatible products:	Hydrofluoric acid. Strong alkalis. Reacts with strong oxidants.
Decomposition products:	carbon oxides. Irritating organic vapours.
Hazardous polymerization:	None under normal processing. Polymerization may occur at elevated temperature or in the presence of incompatible materials.

11. Toxicological information**General toxicological information:**

No experimental toxicological data on the preparation as such is available.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Phenol-formaldehyde polymer 9003-35-4	LD50	4,100 mg/kg	oral		rat	

12. Ecological information**General ecological information:**

Do not empty into drains / surface water / ground water.

Ecotoxicity:

No data available.

13. Disposal considerations

- Product disposal:** Waste incineration with the approval of the responsible local authority.
Dispose of according to regulations.
Not list in National Hazardous Waste Catalogue, dispose of as normal chemical waste.
- Disposal of uncleaned packages:** After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

14. Transport information

- General information:**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- Notice For Transportation:** Transport according to local and national regulations. Ensure containers will not leak, collapse, or being damaged when transported. DO NOT transport with incompatible materials. Transportation vehicle should be equipped with right fire-fighting equipment in case of emergency. Avoid solarization, drenched and high temperature when transported.

15. Regulatory information

The following laws and regulations lay down provisions in terms of chemicals safety use, storage, transportation, loading/unloading, classification as well as symbol.

- Law of the People's Republic of China on Work Safety
- Law of the People's Republic of China on the Prevention and Treatment of Occupational Diseases
- Law of the People's Republic of China on environmental protection
- Regulation on the Safety Management of Hazardous Chemicals
- Regulations on License to Work Safety

- China Inventory of Existing Chemicals:** All components are listed or are exempt from Inventory of Existing Chemical Substances in China.

16. Other information

- Issue department:** SHE Department
- Disclaimer:** The data contained herein are furnished for information only and are believed to be reliable. However, Hysol Huawei Electronics Co.,Ltd does not assume responsibility for any results obtained by persons over whose methods Hysol Huawei Electronics Co.,Ltd. has no control. It is the user's responsibility to determine the suitability of Hysol Huawei Electronics Co.,Ltd.'s products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Hysol Huawei Electronics Co.,Ltd.'s products. In light of the foregoing, Hysol Huawei Electronics Co.,Ltd. specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Hysol Huawei Electronics Co.,Ltd's products. Hysol Huawei Electronics Co.,Ltd. further disclaims any liability for consequential or incidental damages of any kind, including lost profits.
- Others:** **The full text of all abbreviations indicated by codes in this safety data sheet section 3 are as follows:**
- H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.
H335 May cause respiratory irritation.