

Safety Data Sheet (SDS) Report**SDS Number: 210812007BP03**

Applicant: Hunan Weidu Energy Saving Materials Co., Ltd
Room 101, Building A1-11, Xinya Pioneer Park, Tongguan Street,
Wangcheng Economic and Technological Development Zone, Changsha

Issue Date: 2021-09-29

Sample Description:

The sample information was submitted and identified on client's behalf to be:

Product Name : MS SEALANT
Physical State : Paste
Data Received : August 12, 2021
Data Reviewed : September 29, 2021

Service Requested:

Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated in accordance with requirements of Global Harmonized System (GHS), for details please refer to attached pages.

Authorized By:

On Behalf Of Regulatory Affairs in Intertek Testing Services Ltd., Shanghai



Anna Wang
Technical Manager

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MS SEALANT

Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

Issue Date:2021.09.29 Revision Date:2021.09.29 Version No:1.0 SDS Number: 210812007BP03

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : MS SEALANT

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Sealant for Industrial, electronics, house decoration, construction field.

1.4. Supplier's details

Supplier

Hunan Weidu Energy Saving Materials Co., Ltd
Room 101, Building A1-11, Xinya Pioneer Park, Tongguan Street, Wangcheng Economic and Technological Development Zone, Changsha
Tel +86-400 7577 898/ +86-18625098682
Email heefone@hnweidu.com

Importer

Weidu Adhesives Trading LLC
2402-SIT Tower, Dubai Silicon Oasis, Dubai, UAE
Tel +971 569 086 086
Email weiduadhesives@gmail.com

1.5. Emergency phone number

No additional information available

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Not classified

Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

No labelling applicable

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Silicon dioxide	CAS-No.: 112945-52-5	3

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Name	Product identifier	%
Silane coupling agent CG171	CAS-No.: 2768-02-7	2.4
Silane coupling agent KH792	CAS-No.: 1760-24-3	0.4
silane coupling agent KH550	CAS-No.: 919-30-2	0.2

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

No additional information available

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective actions for fire-fighters

Protective equipment for firefighters : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves
Eye protection : Safety glasses
Skin and body protection : Wear suitable protective clothing
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state : Paste
Colour : White/Black/Gray(Color could be customized)
Odour : Alcoholic or tasteless
Odour threshold : Not available
Melting point : Not available
Freezing point : Not applicable
Boiling point : Not available
Flammability (solid, gas) : Non flammable.
Explosive limits : Not applicable
Lower explosive limit (LEL) : Not applicable
Upper explosive limit (UEL) : Not applicable
Flash point : Not applicable
Auto-ignition temperature : Not applicable
Decomposition temperature : Not available
pH : Not available
pH solution : Not available
Viscosity, kinematic (calculated value) (40 °C) : Not applicable
Partition coefficient n-octanol/water (Log Kow) : Not available
Vapour pressure : Not available
Vapour pressure at 50 °C : Not available
Density : Not available
Relative density : Not available
Relative vapour density at 20 °C : Not applicable
Solubility : Not available
Particle size : Not available

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Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle specific surface area	: Not available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Based on available data, the classification criteria are not met.
Acute toxicity (dermal)	: Based on available data, the classification criteria are not met.
Acute toxicity (inhalation)	: Based on available data, the classification criteria are not met.

Silicon dioxide (112945-52-5)	
LD50 oral rat	3160 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
Silane coupling agent KH792 (1760-24-3)	
LD50 oral rat	2413 mg/kg
LD50 dermal rabbit	> 2009 mg/kg
silane coupling agent KH550 (919-30-2)	
LD50 oral rat	1780 mg/kg
LD50 dermal rabbit	4290 mg/kg

Skin corrosion/irritation	: Based on available data, the classification criteria are not met.
Serious eye damage/irritation	: Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	: Based on available data, the classification criteria are not met.
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	: Based on available data, the classification criteria are not met.

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STOT-repeated exposure : Based on available data, the classification criteria are not met.
Aspiration hazard : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute) : Based on available data, the classification criteria are not met.
Hazardous to the aquatic environment, long-term (chronic) : Based on available data, the classification criteria are not met.

Silane coupling agent CG171 (2768-02-7)

LC50 - Fish [1]	191 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [not specified])
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silane coupling agent KH550 (919-30-2)

LC50 - Fish [1]	> 934 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
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12.2. Persistence and degradability

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Persistence and degradability	No additional information available
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No additional information available
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12.4. Mobility in soil

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Mobility in soil	No additional information available
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12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA /

UN RTDG	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. UN Proper Shipping Name		
Not applicable	Not applicable	Not applicable

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UN RTDG	IMDG	IATA
14.3. Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

14.6. Special precautions for user

UN RTDG

Not Regulated

IMDG

Not Regulated

IATA

Not Regulated

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Silicon dioxide (112945-52-5)	
Regulatory reference	Listed on the Canadian DSL (Domestic Substances List). Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory). Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances). Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory. Listed on KECL/KECI (Korean Existing Chemicals Inventory). Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China). Listed on NZIoC (New Zealand Inventory of Chemicals). Listed on the Japanese ISHL (Industrial Safety and Health Law). Listed on INSQ (Mexican National Inventory of Chemical Substances). Listed on the TCSI (Taiwan Chemical Substance Inventory). Listed on the NCI (Vietnam - National Chemicals Inventory).

Silane coupling agent CG171 (2768-02-7)	
Regulatory reference	Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active. Listed on the Canadian DSL (Domestic Substances List). Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances). Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory). Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances). Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory. Listed on KECL/KECI (Korean Existing Chemicals Inventory). Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China). Listed on NZIoC (New Zealand Inventory of Chemicals). Listed on the Japanese ISHL (Industrial Safety and Health Law). Listed on the TCSI (Taiwan Chemical Substance Inventory). Listed on the NCI (Vietnam - National Chemicals Inventory).

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Silane coupling agent KH792 (1760-24-3)

Regulatory reference	Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active. Listed on the Canadian DSL (Domestic Substances List). Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances). Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory). Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances). Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory. Listed on KECL/KECI (Korean Existing Chemicals Inventory). Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China). Listed on NZIoC (New Zealand Inventory of Chemicals). Listed on the Japanese ISHL (Industrial Safety and Health Law). Listed on the TCSI (Taiwan Chemical Substance Inventory). Listed on the NCI (Vietnam - National Chemicals Inventory).
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silane coupling agent KH550 (919-30-2)

Regulatory reference	Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active. Listed on the Canadian DSL (Domestic Substances List). Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances). Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory). Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances). Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory. Listed on KECL/KECI (Korean Existing Chemicals Inventory). Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China). Listed on NZIoC (New Zealand Inventory of Chemicals). Listed on the Japanese ISHL (Industrial Safety and Health Law). Listed on INSQ (Mexican National Inventory of Chemical Substances). Listed on the TCSI (Taiwan Chemical Substance Inventory). Listed on the NCI (Vietnam - National Chemicals Inventory).
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SECTION 16: Other information

Abbreviations and acronyms:

ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic

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Abbreviations and acronyms:	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative

Safety Data Sheet (SDS), UN

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.