中科检测 ZHONGKE TESTING

According to UN GHS (the 11th revised edition)

Safety Data Sheet (SDS)

Product Name:	Solid Surface Adhesive/Quartz Surface Adhesive
Model No.:	MU6100AD

Written by Linda (Linda)

Inspected by: Jose (Jose)

Approved

ZHONGKE SERVICES OF TESTING (SHENZHEN) CO., LTD. 中科检测认证服务（深圳）有限公司 检测专用章 TESTING SERVICES NO.L1919

ISSUED BY: ZHONGKE SERVICES OF TESTING (SHENZHEN) CO., LTD.

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Item No.:	NM69KDE
SDS No.:	E69.260.101.004.KDE
Initial Date:	Jan. 01, 2026
Revision Date:	Jan. 01, 2026

Safety Data Sheet

MSDS No.: E69.260.101.004.KDE	Initial Date: Jan. 01, 2026	Version: 1.0
Product Name: Solid Surface Adhesive / Quartz Surface Adhesive	Revision Date: Jan. 01, 2026	Item No.: NM69KDE

Section 1 Identification of the substance/mixture and of the company/undertaking

Product identifier

Product Name:	Solid Surface Adhesive/Quartz Surface Adhesive
Model No.:	MU6100AD
HS code:	3506919090
Trademark:	MEGANITE

Relevant identified uses of the substance or mixture and uses advised against

Identified uses:	Mosaic stone
Uses advised against:	No special note

Details of the applicant, supplier

Company name:	BEST SOLID SURFACES CORP.
Address:	12 ChunYu Road, XiShan Economic Development Zone, Wuxi, JiangSu, China
Post code:	214101
Telephone:	+86-510-88260058
Fax:	+86-510-88260056
E-mail:	info@meganite.com

Emergency telephone number

Emergency telephone:	

Section 2 Hazards identification

Hazard class and label elements of the product according to GHS (the 11th revised edition):

GHS Hazard classification

Skin Corrosion/Irritation	Category 2
Skin sensitization	Category 1
Serious Eye Damage/Irritation	Category 2A

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Specific target organ toxicity - single exposure	Category 3 (Respiratory tract irritation)

GHS label elements

Pictogram(s):	
Signal word:	Warning

Hazard statements

H315:	Causes skin irritation.
H317:	May cause an allergic skin reaction.
H319:	Causes serious eye irritation.
H335:	May cause respiratory irritation.

Precautionary statements

◆ Prevention

P261:	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264:	Wash thoroughly after handling.
P271:	Use only outdoors or in a well-ventilated area.
P272:	Contaminated work clothing should not be allowed out of the workplace.
P280:	Wear protective gloves/protective clothing/eye protection/face protection.

◆ Response

P321:	Specific treatment (See the additional first aid measures on this label).
P363:	Wash contaminated clothing before reuse.
P302+P352:	IF ON SKIN: Wash with plenty of soap and water.
P332+P313:	If skin irritation occurs: Get medical advice/attention.
P333+P313:	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313:	If eye irritation persists: Get medical advice/attention.
P362+P364:	Take off contaminated clothing and wash before reuse.
P304+P340+P312:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you

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	feel unwell.
P305+P351+P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

◆ Storage

P405:	Store locked up.
P403+P233:	Store in a well-ventilated place. Keep container tightly closed.

◆ Disposal

H501:	Dispose of contents/container in accordance with local/regional/national/ international.

Hazard description

◆ Physical and chemical hazards

	Non-flammable, no special combustion and explosion characteristics

◆ Health hazards

Inhalation:	May cause respiratory irritation
Ingestion:	Abdominal pain and vomiting.
Skin contact:	Long term and repeated contact may be irritating
Eye contact:	Causes serious eye irritation.

◆ Environmental hazards

	Please refer to Section 12 of SDS.

Section 3 Composition/information on ingredients

☐Substance ☐Mixture

Component(s)	Content (w/w, %)	CAS No.	EC No.
Part A. A Glue			
Acrylic Polymer	30-60	9011-14-7	201-297-1
Aluminum Hydroxide	30	21645-51-2	244-492-7
Methyl Methacrylate Monomer	10-20	80-62-6	201-297-1
Tert-Butyl Methacrylate	1-10	585-07-9	209-548-7

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Component(s)	Content (w/w, %)	CAS No.	EC No.
Pigments	>3	51274-00-1 1333-86-4 1309-37-1 1317-61-9 1314-98-3	257-098-5 215-609-9 215-168-2 215-277-5 215-251-3
Part B. B Glue			
Oxydiethylene Dibenzoate	<100	120-55-8	204-407-6

Section 4 First aid measures

Description of first aid measures

General advice:	Show this material safety data sheet to the doctor in attendance. After receiving the first-aid measure required, consult a physician if necessary.
Skin contact:	Remove contaminated clothing and shoes. Wash off with mild soap and plenty of water. If skin irritation occurs or persists, consult a physician immediately
Eyes contact:	Check for and remove any contact lenses, occasionally lifting the upper and lower eyelids. Immediately flush eyes with running water, disappear until the chemical residues so far. Provide a readily-accessible eyewash facility and quick-drench safety shower. Do not rub eyes with hands. If eye irritation occurs or persists, consult a physician immediately.
Inhalation:	Move exposed person to fresh air. Maintain an open airway. Keep person warm and at rest. If breathing is irregular, provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe.
Ingestion:	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel.

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	If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.

Most important acute and delayed symptoms/effects

1	The most important known symptoms and effects are described in section 2 and/or in section 11.

Immediate/special treatment

1	Continue with first aid measures. Treat symptomatically and supportively.
2	Symptoms may be delayed.

Section 5 Firefighting measures

Extinguishing media

Suitable extinguishing media:	Use water spray, dry sand, dry chemical or CO_2 foam extinguishing. Water spray can be used to cool fire exposed containers/materials. Use extinguishing media most appropriate for the surrounding fire.
Unsuitable extinguishing media:	Do not use a solid water stream as it may scatter or spread fire.

Special hazards arising from the substance or mixture

1	If this product is involved in a fire, the following can be released: Silicon oxide, carbon oxides, etc.

Fire precautions and measures

1	Firefighters must wear self-contained breathing apparatus, wear full body fire suit, fire extinguishing in the upwind.
2	As far as possible will be transferred to empty containers from the scene.
3	Keep the fire water spray containers cooling, until the end of fire.
4	If the containers in the fire ground have been color, must be evacuated immediately.
5	Isolated accident scene, prohibit access.
6	Receiving and processing of fire, to prevent environmental pollution.

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Section 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

1	No action shall be taken involving any personal risk or without suitable training.
2	Keep unnecessary and unprotected personnel from entering.
3	Do not touch or walk through spilt material, avoid slipping.
4	Avoid breathing steam.
5	Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.
6	Put on appropriate personal protective equipment (see section 8).

Environmental precautions

1	Prevent further leakage or spillage if safe to do so.
2	Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

1	Small spill: Stop leak if without risk. Move containers from spill area. Wash the leakage with plenty of water. Large spill: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth.
2	Contaminated absorbent material may pose the same hazard as the spilt product.
3	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

Section 7 Handling and storage

Precautions for safe handling

1	Put on appropriate personal protective equipment (see section 8).
2	Avoid contact eyes. Avoid breathing steam.
3	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

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4	Workers should wash hands and face before eating, drinking and smoking.
5	Provide suitable exhaust equipment. Operate in a well-ventilated place.
6	Normal measures for preventive fire protection. Keep away from heat/open flames/hot surfaces.
7	Observe good housekeeping procedures and hygiene practices.
8	Handling carefully to prevent damage the packaging and container.
9	Wash thoroughly after handling.
10	Persons with a history of skin sensitization problems should not be employed in any process in which this product is used.
11	Equipped with corresponding varieties and number of fire equipment and spill contingency processing equipment.

Precautions for storage

1	Store in accordance with local regulations. Stored in a dry, cool and well-ventilated area.
2	Keep container tightly closed and sealed until ready for use.
3	Avoid direct sunlight. Keep away from sparks, open flames and high temperatures, away from incompatible materials (see section 10).
4	Equipped with corresponding varieties and number of fire equipment and spill contingency processing equipment.
5	Keep out of reach of children and pets.

Section 8 Exposure controls/personal protection

Control parameters

◆ Occupational Exposure limit values

Components CAS No.	Country/region	Occupational exposure limits (8h)		Occupational exposure limits (Short time)	
		ppm	mg/m^3	ppm	mg/m^3
Methyl Methacrylate Monomer 80-62-6	USA-OSHA	100	410	-	-
	Korea	50	205	100	410
	Ireland	50	-	100	-
	Germany (AGS)	50	210	100	420
	Denmark	25	102	50	204

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	Australia	50	208	100	416
Aluminum Hydroxide 21645-51-2	Switzerland	-	3	-	-
	Poland	-	2.5 (fume.)	-	-
	Latvian	-	6	-	-
	Germany (DFG)	-	4	-	-
Silicon Dioxide 7631-86-9	Korea	-	10	-	-
	New Zealand	-	1	-	-
	Ireland	-	6	-	-
	Germany (AGS)	-	4	-	-
	Denmark	-	2	-	4
	Australia	-	2	-	-
Pigments 1333-86-4	USA-OSHA	-	3.5	-	-
	Korea	-	3.5	-	-
	Ireland	-	3.5	-	7
	Germany (AGS)	-	3.5	-	-
	Denmark	-	3.5	-	10
	Australia	-	3	-	-
Pigments 1309-37-1	USA-NIOSH	-	1	-	-
	Korea	-	5	-	-
	Ireland	-	1	-	2
	Hungary	-	6	-	-
	Denmark	-	1	-	2
	Australia	-	1	-	-

Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

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General requirements:	
Respiratory protection:	If exposure limits are exceeded or if irritation or other symptoms are experienced, use multi-function respirator.
Eye protection:	Wear safety glasses when there is a potential for eye contact.
Skin and body protection:	Wear suitable protective clothing and boots.
Hands protection:	Wear protective gloves. Check protective gloves prior to each use for their proper condition. 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.

Section 9 Information on basic physical and chemical properties

Information on basic physical and chemical properties

Appearance and character:	Paste
Color:	White, beige, brown, black, brown, yellow, red, gray, blue, pink, orange
Odor:	A Glue: Irritate; B Glue: Odorless
Melting point/freezing point (℃):	-48
Initial boiling point and boiling range (℃):	101
Flash point (Close cup, ℃):	>100
Evaporation rate:	No data
Steam pressure (mmhg, 22℃):	28
Relative density (water=1, 22℃):	A Glue: 1.01±0.02; B Glue: 1.04±0.02
Partition coefficient: n-octanol/water:	No data

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Decomposition temperature (℃):	No data
Ignition temperature(℃):	A Glue: 106 T.C.C; B Glue: 136 C.DC
pH value:	No data
Explosion limit [% (v/v)]:	Non explosives
Relative vapor density(air=1):	3.5
Water soluble(wt%):	1.6
Flammability (solid, gas):	Not applicable
Oxidizing properties:	The substance does not belong to oxidizing substances
Volatility(%):	50-70

Section 10 Stability and reactivity

Stability and reactivity

Reactivity:	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability:	Stable under recommended storage and handling conditions.
Possibility of hazardous reactions:	May react with oxidizing agents, peroxides, acids, etc. In high temperature, thermal decomposition may occur and failure.
Conditions to avoid:	In contrast to the nature of the material, direct sunlight, high temperature and open fire.
Incompatible materials:	Oxidizing agents, peroxides, acids, etc.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 Toxicological information

Acute toxicity

Component(s)	CAS No.	LD_{50}(Oral)	LD_{50}(Dermal)	LC_{50}(Inhalation)
Methyl Methacrylate Monomer	80-62-6	Rat: 2000mg/kg	No data	Mouse: >5040 mg/m^3/4H

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Component(s)	CAS No.	LD_{50}(Oral)	LD_{50}(Dermal)	LC_{50}(Inhalation)
Tert-Butyl Methacrylate	585-07-9	Rat: 7872mg/kg Mouse: 3625mg/kg Rabbit: 8700mg/kg	Rabbit: >5000mg/kg	Rat: 78000 mg/m^3/4H Mouse: 18500 mg/m^3/2H Rabbit: 17500 mg/m^3/4.5H
Pigments	1333-86-4	Rat: 8549mg/kg	No data	No data
Pigments	1314-98-3	Rat: 15400mg/kg	No data	No data
Oxydiethylene Dibenzoate	120-55-8	Rat: 2830mg/kg	No data	No data

Skin corrosion/irritation

Component(s)	CAS No.	Species	Route	Value	Result	Type of test
Oxydiethylene Dibenzoate	120-55-8	Rabbit	Skin	500mg/24H	Mild	Standard Draize test

Eye corrosion/irritation

Component(s)	CAS No.	Species	Route	Value	Result	Type of test
Oxydiethylene Dibenzoate	120-55-8	Rabbit	Eye	500mg/24H	Mild	Standard Draize test

Respiratory sensitization:	These products are not known to cause human respiratory sensitization.
Skin sensitization:	Methyl Methacrylate Monomer: May cause an allergic skin reaction (Category 1).
Germ cell mutagenicity:	According to the existing data, the product is not classified.
Carcinogenicity:	No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
Reproductive toxicity:	According to the existing data, the product is not classified.
Specific target organ toxicity - single exposure:	Methyl Methacrylate Monomer: May cause respiratory irritation (Category 3).
Specific target organ toxicity - repeated exposure:	According to the existing data, the product is not classified.
Aspiration hazard:	According to the existing data, the product is not classified.
Additional reproductive toxicity hazards:	According to the existing data, the product is not classified.

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Section 12 Ecological information

Acute aquatic toxicity

Component(s)	CAS No.	LC_{50} Fish(96h)	EC_{50} Crustaceans(48h)	ErC_{50} Algae
Methyl Methacrylate Monomer	80-62-6	311mg/L	84mg/L	>86mg/L
Oxydiethylene Dibenzoate	120-55-8	3.9mg/L	6.7mg/L	10.94mg/L

Chronic aquatic toxicity

Component(s)	CAS No.	Fish	NOEC Crustaceans	NOEC Algae
Methyl Methacrylate Monomer	80-62-6	No data	3.5mg/L	86mg/L

Persistence and degradability

No data.

Bioaccumulative potential

No data.

Mobility in soil

No data.

Other adverse effects

1	May be slightly harmful to water, do not allow material to be released to the environment without proper governmental permits.

Section 13 Disposal considerations

Waste treatment methods

Residual waste:	Before disposal should refer to the relevant national and local laws and regulation. The generation of waste should be avoided or minimized wherever possible. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system or transfer to a suitable container and arrange for collection by specialized disposal company if recycling is not feasible.

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Contaminated packaging:	The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Disposal considerations:	Dispose of container and unused contents in accordance with national and local relevant regulations laws.

Section 14 Transport information

Transport rules

	According to IATA DGR 67th Edition for transportation, IMO International Maritime Dangerous Goods Code (Amendment 42-24), European Agreement Concerning the International Carriage of Dangerous Goods by Road. The products are not subject to IATA DGR, IMDG and ADR/RID.

Label(s) required

Label(s):	None

Road transport (UN-ADR)

UN number:	Not regulated
UN proper shipping name:	Not regulated
Transport hazard class(es)-Main:	Not regulated
Transport hazard class(es)-Sub risk:	None
Packaging group:	Not regulated
Special provisions for transportation:	None
Hazard code:	None

Air transport (ICAO-IATA/DGR)

UN number:	Not regulated
UN proper shipping name:	Not regulated

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Transport hazard class(es)-Main:	Not regulated
Transport hazard class(es)-Sub risk:	None
Packaging group:	Not regulated
Special provisions for transportation:	None
ERG code:	None

Sea transport (IMDG-CODE)

UN number:	Not regulated
UN proper shipping name:	Not regulated
Transport hazard class(es)-Main:	Not regulated
Transport hazard class(es)-Sub risk:	None
Packaging group:	Not regulated
Special provisions for transportation:	None
Marine pollutants (Yes/No):	No
EmS No.:	None

Section 15 Regulatory information

Regulatory information:

Reference to the local, national, US, EU, CA and international regulations.

CAS No.	TSCA	EINECS	DSL	IECSC	NZIoC	PICCS	KECI	AIIC
80-62-6	√	√	√	√	√	√	√	√
9011-14-7	√	√	√	√	√	√	√	√
21645-51-2	√	√	√	√	√	√	√	√
585-07-9	√	√	×	√	√	×	√	×

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CAS No.	TSCA	EINECS	DSL	IECSC	NZIoC	PICCS	KECI	AIIC
1333-86-4	√	√	√	√	√	√	√	√
1314-98-3	√	√	√	√	√	√	√	√
7631-86-9	√	√	√	√	√	√	√	√
120-55-8	√	√	√	√	√	√	√	√

TSCA:	United States Toxic Substances Control Act Inventory
EINECS:	European Inventory of Existing Commercial Chemical Substances
DSL:	Canadian Domestic Substances List
IECSC:	China Inventory of Existing Chemical Substances
PICCS:	Philippines Inventory of Chemicals and Chemical Substances
NZIoC:	New Zealand Inventory of Chemicals
KECI:	Korea Existing and Evaluated Chemical Substances
AIIC:	List of existing chemical substances in Australia
★Note:	" √ " Indicates that the substance included in the regulations "×" That no data or included in the regulations

Section 16 Other information

Abbreviations or phrases

ACGIH:	American Conference of Governmental Industrial Hygienists
ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS:	Chemical Abstracts Service
CLP:	Classification, labeling and packaging
EC:	Council of Europe
ECHA:	European Chemicals Agency
EINECS:	European Inventory of Existing commercial Chemical Substances
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals

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IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association
RID:	Regulation for rail International transportation of Dangerous goods
ICAO:	International Civil Aviation Organization
IMDG:	International Maritime Dangerous Goods Code
IC_{50}:	Inhibitory Concern Triton 50%
LC_{50}:	Lethal Concentration 50%
LD_{50}:	Median Lethal Dose 50%
MAPROL:	International Convention for the Prevention of Pollution from Ships
REACH:	REGULATION concerning the Registration, Evaluation, Authorization and Restriction of Chemicals
STEL:	Short Term Exposure Limit
TWA:	Time Weighted Average
MAC:	Maximum Allowable Concentration
OSHA:	Occupational Safety and Health Administration
NIOSH:	National Institute for Occupational Safety and Health
TLV:	Threshold Limit Value
TLV-TWA:	Threshold Limit Value-Time Weighted Average
TLV- STEL:	Threshold Limit Value-Short term Exposure Limit
PC-TWA:	Permissible Concentration-Time Weighted Average
PC-STEL:	Permissible Concentration-Short Term Exposure Limit
PEL:	Permissible Exposure Limit
OELs:	Occupational Exposure Limits

Reference

1	IARC
2	OECD: The Global Portal to Information on Chemical Substances
3	U.S. Department of Transportation: ERG
4	Germany GESTIS-database on hazard substance

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5	CAMEO Chemicals
6	NLM: ChemIDplus
7	EPA: Integrated Risk Information System
8	IPCS: The International Chemical Safety Cards (ICSC)

Disclaimer

1	The above information is believed to be correct but we can not guarantee the absolute universality and accuracy and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.
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